Register your product and get support at

www.philips.com/welcome

PFL30x7D
PFL35x7D
PFL37x7D
PFL40x7D
PFL40x7G
PFL47x7G

EN User Manual

PHILIPS

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1 Get started

TV tour

High Definition TV

You can watch HD video in these ways and more:

- a Blu-ray disc player, connected with an HDMI cable, playing a Blu-ray disc
- an upscaling DVD player, connected with an HDMI cable, playing a DVD disc
- an over-the-air HD broadcaster (SBTVD-T)
- a digital HD receiver, connected with an HDMI cable, playing HD content from a cable operator
- an HD game console, connected with an HDMI cable, playing an HD game

Smart TV

*Applicable to PFL4xx7 only.

You can make your TV the center of your digital life with the Smart TV* suite of applications:

- If you connect your TV to the home network, you can share movies, pictures, and music from a computer or media server on your home network.*
- If you connect your TV to the Internet, you can enjoy a wealth of streaming movies, pictures, music, and much more with Youtube Leanback* and other Smart TV* applications.
- While you watch a digital channel, you can Pause TV at any time and catch up with the broadcast later. The broadcast is stored on a USB hard drive.
- Add a new dimension to your calls and contact your friends and relatives on the big screen. You can make video calls on your TV with a Philips HD Media box and a Philips TV video camera (both sold separately). Enjoy HD video and excellent sound quality from the comfort of your couch and start calling now!*

Media playback

If you connect your TV to a USB storage device, you can enjoy your movies, music, and pictures on a wide screen TV with excellent sound.

Program guides

You can find out what's on and what's coming up, with the now and next EPG (Electronic Program Guide), or eight day EPG.

EasyLink

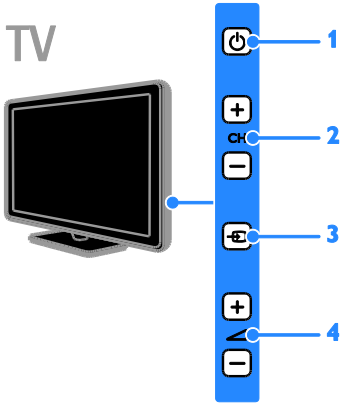
If you connect your TV to HDMI-CEC (Consumer Electronic Control) enabled devices, such as a Blu-ray player or home theater, you can control them at the same time with one remote control. Simply switch on EasyLink after connection.

Intuitive menus

With the TV's intuitive menus, you can easily access the channel or media file that you want, or tweak the TV settings to suit your needs.

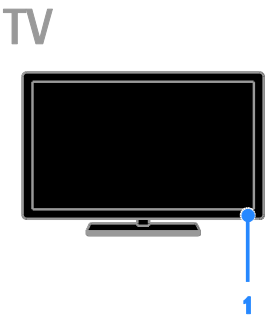
TV controls

Rear controls



1. ⏻ (**Standby**): Switch the TV on or off.
2. **CH +/-** (**Channel +/-**): Switch to the next or previous channel.
3. ⇥ (**Source**): Access a connected device.
4. ◿ **+/-** (**Volume +/-**): Increase or decrease volume.

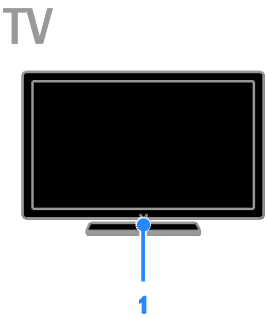
Sensors



For PFL30x7 - 22 to 24 inch TVs
For PFL37x7, PFL47x7 - 32 to 46 inch TVs

1. Remote control sensor

Point the remote control at the sensor. Make sure that the line-of-sight between the remote control and the TV is not blocked by furniture or other objects.

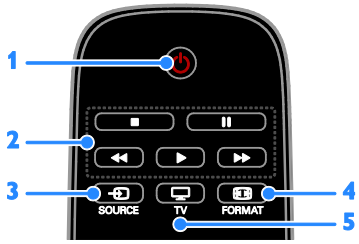


For PFL30x7, PFL35x7, and PFL40x7 - 32 to 47 inch TVs

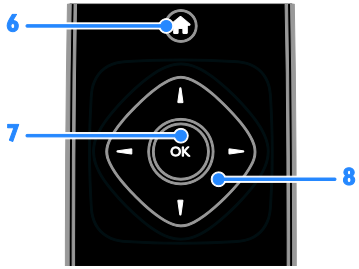
1. Remote control sensor

Point the remote control at the sensor. Make sure that the line-of-sight between the remote control and the TV is not blocked by furniture or other objects.

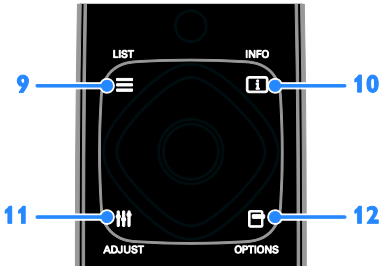
Remote control



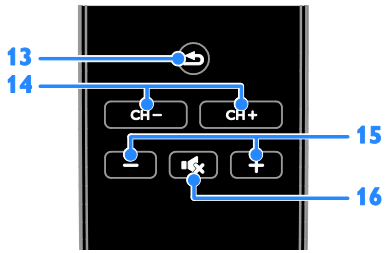
1. ⏻ (**Standby**): Switch the TV on or to standby.
2. **Play buttons:** Control playback of media files.
3. **SOURCE:** Access a connected device.
4. **FORMAT:** Change picture format.
5. **TV:** Switch source to watch TV.



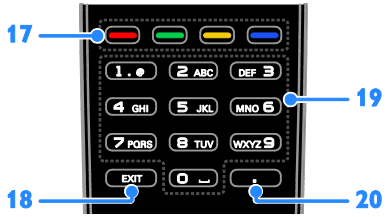
6. (**Home**): Access the Home menu.
7. **OK:** Confirm an entry or selection.
8. ▲▼◀ ▶ (**Navigation buttons**): Navigate through menus and select items.



9. **LIST:** Access the TV channel list.
10. **INFO:** Display information about current activity.
11. **ADJUST:** Adjust TV settings.
12. **OPTIONS:** Access currently available options.



13. (**Back**): Return to the previous menu page or exit from a TV function.
14. **CH - / CH +:** Switch channels.
15. **+/-** (**Volume**): Adjust volume.
16. (**Mute**): Mute or restore audio.



17. **Color buttons:** Select tasks or options. The buttons function according to the services offered by the service provider.
18. **EXIT:** Exit from menus or TV functions.
19. **0-9** (**Numeric buttons**): Select TV channels or enter text.
20. . (**Dot**): Use for digital channels input.

EasyLink controls

Note: EasyLink controls are available when the connected device is HDMI-CEC compliant.

With EasyLink controls, you can control your TV and other HDMI-CEC devices with one remote control.

Access EasyLink controls

1. While you view content from a connected HDMI-CEC device, press **OPTIONS**.
2. Select **[Show remote control]**, then press **OK**.
3. Select the EasyLink control button, then press **OK**.

Read more about EasyLink in **Use more of your TV > Use EasyLink** (Page 23).

Important information

Safety

Read and understand all instructions before you use your TV. If damage is caused by failure to follow the instructions, the warranty does not apply.

Risk of electric shock or fire!

- Never expose the TV to rain or water. Never place liquid containers, such as vases, near the TV. If liquids are spilt on or into the TV, disconnect the TV from the power outlet immediately. Contact Philips Consumer Care to have the TV checked before use.
- Never place the TV, remote control or batteries near naked flames or other heat sources, including direct sunlight. To prevent the spread of fire, keep candles or other flames away from the TV, remote control and batteries at all times.

- Never insert objects into the ventilation slots or other openings on the TV.
- Never expose the remote control or batteries to rain, water or excessive heat.
- Avoid force coming onto power plugs. Ensure that the power plug is fully inserted into the power socket. Loose power plugs can cause arcing or fire.
- When the TV is swiveled, ensure that no strain is exerted on the power cord. Strain on the power cord can loosen connections and cause arcing.
- To disconnect the TV from the mains power, the power plug of the TV must be disconnected. When disconnecting the power, always pull the power plug, never the cord. Ensure that you have full access to the power plug, power cord and outlet socket at all times.

Risk of damage to the TV!

- Two people are required to lift and carry a TV that weighs more than 25kg or 55lbs.
- When stand mounting the TV, use only the supplied stand. Secure the stand to the TV tightly. Place the TV on a flat, level surface that can support the combined weight of the TV and the stand.
- When wall mounting the TV, use only a wall mount that can support the weight of the TV. Secure the wall mount to a wall that can support the combined weight of the TV and wall mount. TP Vision Netherlands B.V. bears no responsibility for improper wall mounting that results in accident, injury or damage.
- If you need to store the TV, disassemble the stand from the TV. Never lie the TV on its back with the stand installed.
- Before you connect the TV to the power outlet, ensure that the power voltage matches the value printed on the back of the TV. Never connect the TV to the power outlet if the voltage is different.
- Parts of this product can be made of glass. Handle with care to avoid injury and damage.

Risk of injury to children!

Follow these precautions to prevent the TV from toppling over and causing injury to children:

- Never place the TV on a surface covered by a cloth or other material that can be pulled away.
- Ensure that no part of the TV hangs over the edge of the surface.
- Never place the TV on tall furniture, such as a bookcase, without anchoring both the furniture and TV to the wall or a suitable support.
- Educate children about the dangers of climbing on furniture to reach the TV.

Risk of swallowing batteries!

- The product/remote control may contain a coin type battery, which can be swallowed. Keep the battery out of reach of children at all times!

Risk of overheating!

- Never install the TV in a confined space. Always leave a space of at least 4 inches or 10 cm around the TV for ventilation. Ensure that curtains or other objects never cover the ventilation slots on the TV.

Risk of injury, fire or power cord damage!

- Never place the TV or any objects on the power cord.
- Disconnect the TV from the power outlet and aerial before lightning storms. During lightning storms, never touch any part of the TV, power cord or aerial cable.

Risk of hearing damage!

- Avoid using earphones or headphones at high volumes or for prolonged periods of time.

Low temperatures

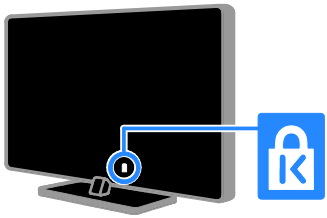
- If the TV is transported in temperatures below 5°C or 41°F, unpack the TV and wait until the TV temperature matches room temperature before connecting the TV to the power outlet.

Screen care

- Risk of damage to the TV screen! Never touch, push, rub or strike the screen with any object.
- Unplug the TV before cleaning.
- Clean the TV and frame with a soft damp cloth. Never use substances such as alcohol, chemicals or household cleaners on the TV.
- To avoid deformations and color fading, wipe off water drops as soon as possible.
- Avoid stationary images as much as possible. Stationary images are images that remain onscreen for extended periods of time. Stationary images include onscreen menus, black bars, time displays, etc. If you must use stationary images, reduce screen contrast and brightness to avoid screen damage.

Lock the TV

Your TV is equipped with a Kensington security slot at the base of the TV. To secure the TV, purchase a Kensington anti-theft lock (sold separately).



Notice

2012 © TP Vision Netherlands B.V. All rights reserved. Specifications are subject to change without notice. Trademarks are the property of Koninklijke Philips Electronics N.V or their respective owners. TP Vision Netherlands B.V. reserves the right to change products at any time without being obliged to adjust earlier supplies accordingly.

The material in this manual is believed adequate for the intended use of the system. If the product, or its individual modules or procedures, are used for purposes other than those specified herein, confirmation of their validity and suitability must be obtained. TP Vision Netherlands B.V. warrants that the material itself does not infringe any United States patents. No further warranty is expressed or implied.

TP Vision Netherlands B.V. cannot be held responsible neither for any errors in the content of this document nor for any problems as a result of the content in this document. Errors reported to Philips will be adapted and published on the Philips support website as soon as possible.

Terms of warranty

- Risk of injury, damage to TV or void of warranty! Never attempt to repair the TV yourself.
- Use the TV and accessories only as intended by the manufacturer.
- The caution sign printed on the back of the TV indicates risk of electric shock. Never remove the TV cover. Always contact Philips Customer Care for service or repairs.

- Any operation expressly prohibited in this manual, or any adjustments and assembly procedures not recommended or authorised in this manual shall void the warranty.

Pixel characteristics

This LCD/LED product has a high number of color pixels. Although it has effective pixels of 99.999% or more, black dots or bright points of light (red, green or blue) may appear constantly on the screen. This is a structural property of the display (within common industry standards) and is not a malfunction.

Compliance with EMF

TP Vision Netherlands B.V. manufactures and sells many products targeted at consumers, which, like any electronic apparatus, in general have the ability to emit and receive electromagnetic signals.

One of Philips' leading Business Principles is to take all necessary health and safety measures for our products, to comply with all applicable legal requirements and to stay well within the Electro Magnetic Field (EMF) standards applicable at the time of producing the products.

Philips is committed to develop, produce and market products that cause no adverse health effects. TP Vision confirms that if its products are handled properly for their intended use, they are safe to use according to scientific evidence available today.

Philips plays an active role in the development of international EMF and safety standards, enabling Philips to anticipate further developments in standardisation for early integration in its products.

*Compliance with EMF is applicable for PFL30x7, PFL35x7, and PFL40x7 only.

Open source software

This product contains software licensed under an open source license. For acknowledgments and license texts, please refer to the electronic in-product user manual. TP Vision Netherlands B.V. hereby offers to deliver, upon request, a copy of the complete corresponding source code for the copyrighted open source software packages used in this product for which such offer is requested by the respective licenses. This offer is valid up to three years after product purchase to anyone in receipt of this information. To obtain source code, please send your request in English with product number to

"Open Source Team, TP Vision Netherlands B.V., High Tech Campus 5, 5656 AE Eindhoven, The Netherlands".

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Windows Media is either a registered trademark or trademark of Microsoft Corporation in the United States and/or other countries.

Manufactured under license from Dolby Laboratories. Dolby and the double D symbol are trademarks of Dolby Laboratories.

The terms HDMI and HDMI High-Definition Multimedia Interface, and the HDMI Logo are trademarks or registered trademarks of HDMI Licensing LLC in the United States and other countries.

Kensington and Micro Saver are registered US trademarks of ACCO World corporation with issued registrations and pending applications in other countries throughout the world.

DLNA®, the DLNA Logo and DLNA CERTIFIED® are trademarks, service marks, or certification marks of the Digital Living Network Alliance.

DLNA is applicable for PFL4xx7D and PFL4xx7G only.

The DTVi brand and logo are registered marks of Pontifical Catholic University of Rio de Janeiro (PUC-Rio) and the Federal University of Paraíba (UFPB).

DTVi is applicable for PFL4xx7G only.

Java and all Java based trademarks are registered trademarks of Oracle and/or its affiliates, in the United States and other countries.

Java is applicable for PFL4xx7G only.

AstroTV product is a software system developed by TQTVD that comprises of a complete implementation of the Ginga Middleware Standard, compliant with Brazilian SBTVD Standard nr. 6 (Vols 1, 2 3 and 4 – see references below).

Astro TV Middleware acknowledges the use of the following libraries internally:

Boost – http://www.boost.org

Libxml2v – http://www.xmlsoft.org/

Webkit / OWB – http://www.sand-labs.org/owb

Libjpeg - http://www.ijg.org/

Lua – http://wwwlua.org/

OpenSSL – http://www.openssl.org/

SWIG – http//www.swig.org

LuaJava – http://www.keplerproject.org/luajava

LibCURL – http://curl.hazz.se

TQTVD is applicable for PFL4xx7G only.

All other registered and unregistered trademarks are the property of their respective owners.

Sustainability

Energy efficiency

This TV is designed with energy-efficient features. To access these features, press the green button on the remote control.

- **Energy saving picture settings**: You can apply a combination of energy-saving picture settings. While you watch TV, press the **Green button**, then select **[Energy saving]**.
- **Screen off**: If you only want to listen to audio from the TV, you can switch off the TV display. Other functions continue to operate normally.
- **Low standby power**: The advanced power circuitry reduces the power consumption of the TV to an extremely low level, without losing out on the constant standby functionality.
- **Power management**: The advanced power management helps save the energy consumed by this TV.
  To view how your personalized TV settings affect the TV's relative power consumption, press , then select **[Setup] > [Watch demos] > [Active Control]**.
- **Auto switch off**: To conserve energy, set the TV to switch off automatically after a period of inactivity.
- **Switch off inactive devices**: Switch off connected EasyLink devices all at once.

Descarte do produto e de pilhas antigas

Seu produto foi projetado e fabricado com materiais e componentes de alta qualidade, que podem ser reciclados e reutilizados.

Baterias e Pilhas

ADVERTÊNCIA: Cuidados com a utilização e descarte de pilhas e baterias.

- Não descarte as pilhas e baterias no lixo doméstico.
- O descarte inadequado de pilhas e baterias pode representar riscos ao meio ambiente e à saúde humana.
- Para contribuir com a qualidade ambiental e com sua saúde, a TP Vision receberá as pilhas e baterias fornecidas com seus produtos após seu fim de vida. A TP Vision dispõe de pontos de coleta em suas Assistências Técnicas.
- Para evitar o vazamento de pilhas ou baterias, o que pode resultar em danos à saúde, ambientais e ao produto, recomendamos que: (i) Em caso de aparelhos com pilhas removíveis, retire-as quando não estiver em uso por um longo período, (ii) Não misture pilhas (antigas com novas ou de zinco-carbono com alcalinas, etc.) (iii) Não exponha o produto com pilhas/baterias em seu interior a altas temperaturas.
- Pilhas e baterias descartadas recebidas pela TP Vision serão encaminhadas à destinação ambientalmente correta.
- Em caso de dúvida ou consulta, favor ligar para (11) 2938 0245 (Grande São Paulo) e 0800 701 0245 (demais regiões e estados) ou acessar o site http://www.philips.com.br.

Linha Verde

Em caso de dúvidas relacionadas a Sustentabilidade e Meio Ambiente, favor ligar para a linha verde (92) 3652 2525. A TP Vision e o Meio Ambiente agradecem sua colaboração.

CUIDADO! Evite o uso prolongado do aparelho com volume superior a 85 decibéis, pois isto poderá prejudicar a sua audição.
A tabela abaixo lista alguns exemplos de situações e respectivos níveis de pressão sonora em decibéis.

Nível de Decibéis	Exemplo
30	Biblioteca silenciosa, sussurros leves.
40	Sala de estar, refrigerador, quarto longe de trânsito.
50	Transito leve, conversação normal, escritório silencioso.
60	Ar-condicionado a uma distância de 6m, máquina de costura.
70	Aspirador de pó, secador de cabelo, restaurante ruidoso.
80	Tráfego médio de cidade, coletor de lixo, alarme de despertador a uma distância de 60cm.
OS RUÍDOS ABAIXO PODEM SER PERIGOSOS EM CASO DE EXPOSIÇÃO CONSTANTE	
90	Metrô, motocicleta, tráfego de caminhão, cortador de grama.
100	Caminhão de lixo, serra elétrica, furadeira pneumática.
120	Show de banda de rock em frente ás caixas acústicas, trovão.
140	Tiro de arma de fogo, avião a jato
180	Lançamento de foguete.

• Informação cedida pela Deafness Research Foundation, por cortesia.

Help and support

Use Help

To access the onscreen Help menu, press the **Yellow button**.

To switch between the Help menu and the TV menu, press the **Yellow button**.

Visit Philips website

If you can't find what you need in the onscreen **[Help]**, visit the Philips support website at www.philips.com/support.

At the Philips support website, you can also:

- Find answers to Frequently Asked Questions (FAQ)
- Download a printable PDF version of this user manual
- Email us a specific question
- Chat online with Philips Consumer Care (available in certain countries only)

Search the TV forum

Your question may have already been answered by the Philips TV community of users. Visit www.supportforum.philips.com.

Contact Philips

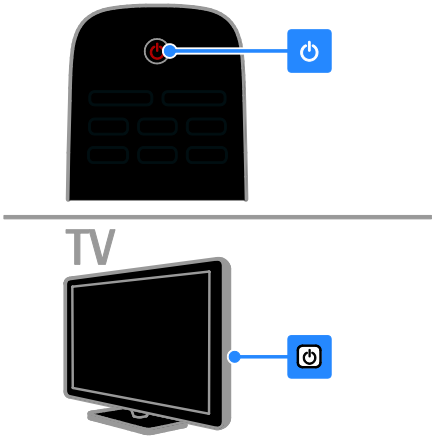
You can contact Philips Consumer Care in your country for support. The number is available in the leaflet accompanying this product, or online at www.philips.com/support.

Before you contact Philips, write down the model and serial number of your TV. You can find this information on the back of your TV or on the TV packaging.

2 Use your TV

Watch TV

Switch TV on or off



Switch the TV on

- Press the power switch on the TV.
- If the TV is in standby, press ⏻ on the remote control.

Note: There is a short delay before the TV responds.
Tip: If you cannot find your remote control and want to switch on the TV from standby, press **CH +/-** on the TV.

Switch TV to standby

Press ⏻ on the remote control.
The remote control sensor on the TV switches to red.

Switch off the TV

Press ⏻ on the TV.
The TV switches off.

Note: Though your TV consumes very little energy when it is in standby or switched off, it does use some energy. If you are not going to use the TV for an extended period of time, disconnect the TV from the mains plug.

Automatic switch off

You can save energy with this TV's energy efficiency settings. The settings are enabled by default, so that if there is no user interaction (such as pressing a remote control button or a control on the rear panel) for four hours, the TV will automatically switch to standby.

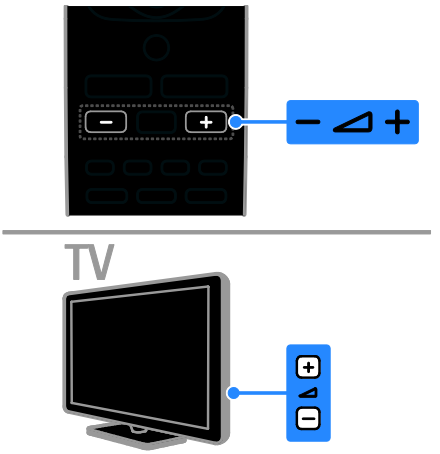
To disable automatic switch off

1. While you watch TV, press the **Green button** on the remote control.
2. Select **[Auto switch off]**, then press **OK**.
3. Use the **Navigation buttons** to make a selection, then press **OK**.

Adjust TV volume

Increase or decrease the TV volume

- Press **+/-** on the remote control.
- Press **+/-** on the side of the TV.



Mute or unmute the TV volume

- Press 🔇 on the remote control to mute the volume.
- Press 🔇 again to restore the volume.

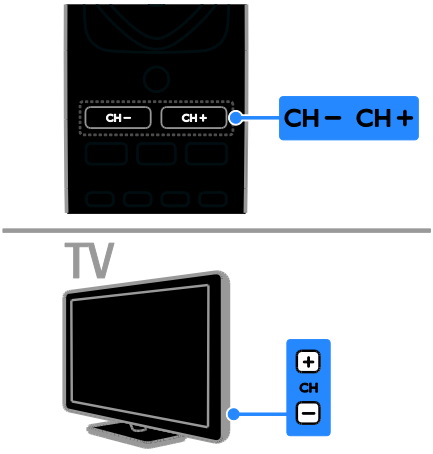
Adjust headphone volume

1. Press ⌂ > **[Setup]** > **[TV settings]** > **[Sound]**.
2. Select **[Headphone volume]**, then press **OK**.

English

Switch TV channels

- Press **CH +/-** on the remote control or TV.
- Press the **Numeric buttons** to enter a channel number.



Manage favorites

You can view all channels, or only a list of your favorite channels so that you can find them easily.

Press ☰ **LIST** to access the channel list.

Create a list of your favorite channels

1. Press ☰ **LIST**.
2. Select the channel to mark as favorite, then press ⊟ **OPTIONS**.
3. Select **[Mark as favorite]**, then press **OK**.

The selected channel is marked.

To deselect a channel, select **[Unmark as favorite]**, and then press **OK**.

Select a channel list

1. Press ☰ **LIST**, then press ⊟ **OPTIONS**.
2. Select **[Select list]** > **[Favorite]** to display channels in the favorite list or **[All]** to display all channels.
3. Press **OK** to confirm.

Manage channel lists

After the channels are installed, you can manage them:

- Rename channels
- Hide or unhide channels

Rename channels

You can rename channels. The name appears when the channels are selected.

1. While you watch TV, press ☰ **LIST**.

The channel list is displayed.

2. Select the channel to rename, then press ⊟ **OPTIONS**.
3. Select **[Rename channel]**, then press **OK**.
4. Press the **Navigation buttons** to select each character, then press **OK**.
   - Press **OK** in the entry screen to enable the **Onscreen Keyboard**, or
   - Press **[ABC]** or **[abc]** to select an uppercase or lowercase letter.
5. Once complete, select **[Done]**, then press **OK** to confirm when prompted.
6. Press **EXIT** to exit.

Hide channels

You can prevent unauthorized access to channels by hiding them from the channel list.

1. While you watch TV, press ☰ **LIST**.
2. Select the channel to hide, then press ⊟ **OPTIONS**.
3. Select **[Hide channel]**, then press **OK**.

The channel is hidden.

Unhide channels

1. While you watch TV, press ☰ **LIST**.
2. Press ⊟ **OPTIONS**.
3. Select **[Show hidden channels]**, then press **OK**.

Hidden channels are displayed in the channel list, but they cannot be watched

4. Select a hidden channel, then press ⊟ **OPTIONS**.
5. Select **[Unhide channel]**, then press **OK**.

The hidden channel can be watched.

6. To exit, press ⊟ **OPTIONS**, then select **[Exit]**.

Select a source

You can watch a connected device in one of these ways:

- Add its icon to the Home menu for easy access, then select it from the Home menu.
- Select from the Source menu.

Note: If you connect an HDMI-CEC compliant device to the TV, it is automatically added to the Home menu.

Add new device

1. Connect and switch on the device.
2. Press .
3. Select **[Add new device]**, then press **OK**.
4. Follow the onscreen instructions.

- If you are prompted to select the TV connection, select the connector that this device uses.

View from Home menu

After you add the new device to the Home menu, you can select its icon to start using it.

1. Press .
2. Select the device icon from the Home menu.
3. Press **OK** to confirm.

View from Source menu

You can also press **SOURCE** to display a list of connector names. Select the connector that connects the device to the TV.

1. Press **SOURCE**.
2. Press the **Navigation buttons** to select a connector in the list.
3. Press **OK** to confirm.

Use smart settings

Your TV comes with smart picture and sound settings. You can apply these settings or customize them.

Select your preferred picture setting

1. While you watch TV, press **ADJUST**.
2. Select **[Smart picture]**.
3. Select an option, then press **OK**:

- **[Personal]**: Apply your personalized picture settings.
- **[Vivid]**: Rich and dynamic settings, ideal for daytime viewing.
- **[Football]**: Ideal settings for football matches.
- **[Cinema]**: Ideal settings for movies.
- **[Game]**: Ideal settings for games.
- **[Energy saving]**: Settings that conserve the most energy.
- **[Standard]**: Default settings that suit most environments and types of video.
- **[Photo]**: Ideal settings for photos.
- **[Custom]**: Customize and store your own picture settings.

Select your preferred sound setting

1. While you watch TV, press **ADJUST**.
2. Select **[Smart sound]**.
3. Select an option, then press **OK**:

- **[Personal]**: Apply your personalized sound setting.
- **[Standard]**: Settings that suit most environments and types of audio.
- **[NEWS]**: Ideal settings for spoken audio, such as the news.
- **[Cinema]**: Ideal settings for movies.
- **[Game]**: Ideal settings for games.
- **[DRAMA]**: Ideal settings for drama programs.
- **[SPORTS]**: Ideal settings for sports.

Change picture format

You can change the picture format to suit the video source.

1. Press FORMAT.
2. Select a picture format, then press **OK** to confirm.

The available picture formats depend on the video source:

- **[Auto fill]**: Adjust the picture to fill the screen (subtitles remain visible). Recommended for minimal screen distortion but not for HD or PC.
- **[Auto zoom]**: Enlarge the picture to fill the screen. Recommended for minimal screen distortion but not for HD or PC.
- **[Super zoom]**: Remove the black bars on the sides of 4:3 broadcasts. Not recommended for HD or PC.
- **[Movie expand 16:9]**: Scale 4:3 format to 16:9. Not recommended for HD or PC.
- **[Wide screen]**: Scale 4:3 format to 16:9. Not recommended for HD or PC.
- **[Unscaled]**: Provide maximum detail for PC. Only available when PC mode is selected in the Picture menu.
- **[16:9 stretch]**: Shows widescreen format content unstretched.
- **[4:3]**: Display the classic 4:3 format.

View program guide

You can view information about digital TV channels using program guides provided by broadcasters. This information can include:

- Channel schedules for the day ('Now and next') or up to 8 days, if supported by your broadcaster
- Synopsis of programs

Note: Program guides are available in certain countries only.

Set program guide

Before you use the program guide, check these settings:

1. Press .
2. Select **[Program guide]**.

Access the TV program guide

1. Press .
2. Select **[Program guide]**, then press **OK**.

Use TV program guide options

You can customize the displayed information to:

- Remind you when programs start
- Display only preferred channels

1. In the program guide, press OPTIONS.
2. Select an option, then press **OK**:

- **[Set reminder]**: Set program reminders.
- **[Clear reminders]**: Clear program reminders.
- **[Change day]**: Select the day to display.
- **[Show info]**: Display program information.
- **[Search by genre]**: Search TV programs by genre.
- **[Scheduled reminders]**: List programs reminders.
- **[Acquire EPG data]**: Update the latest program information.

View media

What you can do

You can play videos, photos, and music on your TV from:

- Your computer connected through the home network (For models with network connector only)
- A USB device connected to the TV

Play files from computer

What you need

Available on certain models only.

- A wired or wireless home network, connected with a Universal Plug and Play (uPnP) router.
- Philips wireless USB adapter (PTA127) or a LAN cable that connects your TV to your home network.
- A media server program running on your computer
- Appropriate settings on your computer firewall to allow you to run the media server program

Set up the network

1. Connect your TV and the computer to the same home network. See **Connect your TV > Network and the Internet** (Page 44).
2. Switch on your computer and the router.

Note:

If the apparatus does not return to DLNA mode due to external electrical disturbances (e.g. electrostatic discharge), user intervention is required.

Set up media sharing

1. Install a media server program on your computer to share media files. Some of the available media server programs are as follows:

- **For PC:** Windows Media Player 11 (or higher) or TVersity
- **For Mac:** Twonky

2. Switch on media sharing on your computer using the media server. For more information on how to set up the media server, refer to the website of the media server.

Play files

1. Press ⌂.
2. Select **[Browse network]**, then press **OK**.

If the network installation starts, follow the onscreen instructions.

3. Select a file from the content browser, then press **OK** to start play.
4. Press the **Play buttons** on the remote control to control play.

Play files from USB

If you have photos, videos or music files on a USB storage device, you can play the files on TV.

Caution:

- TP Vision is not responsible if the USB storage device is not supported, nor is it responsible for damage or loss of data in the device.
- Do not overload the USB port. If you connect a USB storage device that consumes more than 500mA power, make sure that it is connected to its own external power supply.

View USB contents

1. Connect the USB device to the USB connector on the TV.
2. Press ⌂, select **[Browse USB]**, then press **OK**.
3. Select a file from the content browser, then press **OK** to start play.
4. Press the **Play buttons** on the remote control to control play. See **Use your TV > View Media > Play options**.

Play options

Watch video

Press the **Navigation buttons** to select a video file, then press **OK.**

- Press ❚❚ to pause.
- Press ■ to stop.
- Press ◀◀ / ▶▶ to search backward or forward.
- Press **EXIT** to exit the content browser.

Video playback options

While you play video, press ⊟ **OPTIONS** to access the following video options:

- **[Subtitles]**: Select the available subtitles settings.
- **[Audio language]**: Select the available audio language.
- **[Repeat]**: Repeat a video, track, or album.
- **[Show info]**: Display the file name.
- **[Eco settings]**: Select energy-saving modes.

Listen to music

Press the **Navigation buttons** to select a music track, then press **OK**.

- Press ❚❚ to pause.
- Press ■ to stop.
- Press ◀◀ / ▶▶ to search backward or forward within a music track.
- Press **EXIT** to exit content browser.

Music playback options

Press ⊟ **OPTIONS** to access or exit the following music options:

- **[Repeat]**: Repeat a track or an album.
- **[Play once]**: Play the track once.
- **[Shuffle on]** / **[Shuffle off]**: Enable or disable random play of tracks.
- **[Show info]**: Display the file name.
- **[Eco settings]**: Select energy-saving modes.

View pictures

Press the **Navigation buttons** to select a picture, then press ▶ to start the slideshow.

- Press ❚❚ to pause.
- Press ■ to stop.
- Press **Navigation buttons** to search for a picture.
- Press **EXIT** to exit content browser.

Picture slideshow options

Press ⊟ **OPTIONS** to access or exit the following picture options:

- **[Slideshow transitions]**: Select the transition from one picture to the next.
- **[Slideshow frequency]**: Select the display time for each picture in the slideshow.
- **[Repeat]** / **[Play once]**: View slideshow once, or repeatedly.
- **[Shuffle off]** / **[Shuffle on]**: Enable or disable random display of pictures in the slideshow.
- **[Rotate image]**: Rotate the picture.
- **[Show info]**: Display the picture information.
- **[Set as Scenea]**: Load the selected picture as the TV wallpaper. See **Use more of your TV > View Scenea** (Page 27).

Browse Smart TV

What you can do

*Applicable to PFL4xx7 only.

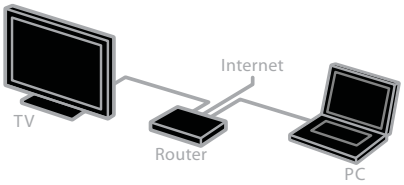
With Internet Applications (Apps), which are specially adapted Internet websites for your TV, you can watch videos online.

Note:

- Smart TV services and apps vary from country to country.
- Availability of catch-up TV apps and their TV programs is subject to the country setting of your TV. To find out which TV programs are available, access the TV program guide within the app.
- Smart TV displays one page at a time, in full screen.
- Certain websites may not display completely. Functions that require plug-ins may be unavailable.
- TP Vision Netherlands B.V. bears no responsibility regarding the content and the quality of the content provided by the content service providers.

What you need

1. On your home network, connect the TV to the Internet.
2. On your home network, connect a router with a high-speed connection to the Internet.
3. Switch on the router.
4. Install the network. See **Connect your TV > Network and the Internet** (Page 44).



Access Smart TV Applications (Apps)

If your TV is connected to the Internet through your home network, you can watch YouTube videos and view media files from your home network.

YouTube Leanback

1. Press ⌂.
2. Select **[YouTube]**, then press **OK**.
3. Follow the onscreen instructions to watch videos.
4. Press ⌂ to exit.

Browse network

1. Press ⌂.
2. Select **[Browse network]**, then press **OK**.
3. Select the network to connect.
4. Press the **Navigation buttons** to select a file, then press **OK**.
5. Press **EXIT** to exit.

Interactive TV

What you can do

*Applicable to PFL4xx7G only.

With interactive TV, you can view additional information or entertainment pages provided by digital TV broadcasters. You can experience true interactivity by responding directly to the digital content.

Note:
You cannot download files to your TV with this feature.
Not all TV programs, commercials and features include closed captioning information.

Broadcasters use various interactive TV systems. Visit the broadcaster's website for more information to see which interactive system is available in your country.

Here are some examples of interactive activities you can enjoy:

- View information about TV programs
- Join a quiz or contest
- Play games
- Shop online
- Pay for a video-on-demand (VOD) program
- Vote
- Chat

What you need

To enjoy this service, you need the following:

- digital channels with interactive services
- a wired or wireless home network, connected through a Universal Plug and Play router (uPnP).

For network connection, see **Connect your TV > Network and the Internet**.

Access interactive TV

Most channels that offer interactive services invite you to press the **Red button** or **OK** to open their interactive program.

1. Switch to a digital channel with interactive services.
When the application has loaded, an icon is displayed.

2. Press the **Red button** or **OK** to launch the interactive application.
3. Follow the onscreen instructions.
4. Press **EXIT** or the onscreen button to close the interactive page.

To navigate the interactive pages, use:

- The **Navigation buttons**
- The **Color buttons**
- The **Numeric buttons**
- **EXIT**

To control video play within interactive pages, press:

- ▶ to play
- ❚❚ to pause
- ■ to stop

3 Use more of your TV

Pause TV

What you can do

While you watch a digital channel, you can pause a program to answer a phone call or to have a break. The broadcast is stored on a USB hard drive that is connected to the TV. You can resume playback of the program at any time.

Note:

- You can pause a program for a maximum of 90 minutes.
- Closed caption is not applicable in recording and playback of pause TV.

What you need

- Tune your TV to receive digital channels. See **Set up your TV > Channel settings > Automatic install** (Page 29).
- Connect a USB 2.0 compatible hard drive with a minimum capacity of 32 GB and a minimum transfer speed of 30 MB per second.

Install USB hard drive

To pause TV, you must connect a USB hard drive to the TV and format it.

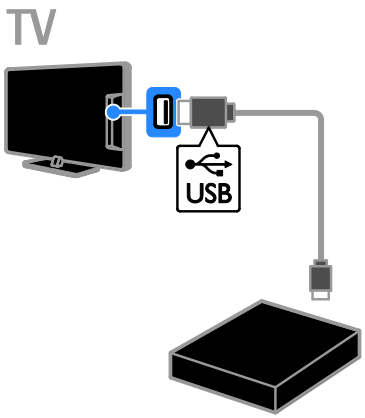
If the TV does not recognize the USB hard drive, use a PC to format it to NTFS file system, and then try again.

Caution:

- TP Vision is not responsible if the USB hard drive is not supported, nor is it responsible for damage or loss of data in the device.
- Formatting removes all data from the connected USB hard drive.
- The USB hard drive is formatted exclusively for this TV. Keep it permanently connected to the TV. You cannot access the USB hard drive contents from another TV or PC.
- Do not overload the USB port. If you connect a USB hard drive device that consumes more than 500mA power, make sure that it is connected to its own external power supply.

1. Make sure that the TV and the USB hard drive are switched off.
2. Make sure that there are no other USB devices connected to the TV.
3. Connect the USB hard drive directly to the TV, or if you intend to connect other USB devices in future, connect the USB hard drive through a USB hub.

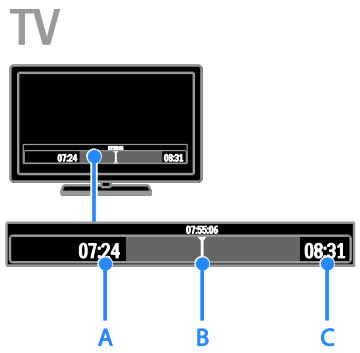
Note: While you are formatting the USB hard drive, do not connect other USB devices to the TV.



4. Switch on the TV and the USB hard drive, if it has an external power source.
5. Switch to a digital TV channel.
6. Press ❚❚ to start formatting.
7. Follow the onscreen instructions to complete the formatting process.

Warning: The formatting process may take some time. Do not switch off the TV or disconnect the USB hard drive until this process is complete.

Pause a live TV broadcast



1. On a digital channel, press ❚❚ to pause a TV program.
2. Press ▶ to continue watching.

The status bar shows these time indicators:
A. When the program was paused for the first time.
B. Where the paused program is currently playing.
C. Where the live program is currently broadcast.

- To watch the stored broadcast, press ◀◀ or ▶▶ to search backward or forward.
- To watch the live TV broadcast, press ■.
- To change playback speed, press ◀◀ or ▶▶ repeatedly.

The stored broadcast on the USB hard drive is deleted if you:

- Disconnect the USB hard drive.
- Switch the TV to standby.
- Switch to another channel.
- Switch source to watch from a connected device - a Blu-ray disc player or digital receiver.

Play games

Add a game console

You can play games consoles projected on a wide screen TV with excellent sound. Before you start, connect your game console to this TV. See **Connect your TV > Connect devices > Game console** (Page 38).

For easy access, add the game console to the Home menu.
1. Press ⌂.
2. Select **[Add your devices]** > **[Game console]**, then press **OK**.
3. Follow the onscreen instructions to add the game console.

Game setting

The Game option in the Smart picture settings optimizes the TV display for gaming without picture lag.

- If you add the game console to the Home menu as **[Game console]**, the TV switches to the game setting automatically.
- If your game console is automatically added to the Home menu as a Blu-ray disc player or DVD player, set the **[Smart picture]** setting to **[Game]** before you start playing.

Switch to Game setting
1. Press ⚙ **ADJUST**.
2. Select **[Smart picture]** > **[Game]**, then press **OK**. The TV is ready for gaming.

Note: When your gaming session ends, switch back to your usual Smart Picture setting.

Use EasyLink

What you can do

You can get the most out of your HDMI-CEC-compliant devices with Philips EasyLink enhanced control features. Connect your HDMI-CEC compliant devices through HDMI to your TV and control them at the same time with your TV remote control.

Note: Other brands describe HDMI-CEC functionality differently. Some examples are Anynet (Samsung), Aquos Link (Sharp) or BRAVIA Sync (Sony). Not all brands are fully compatible with Philips EasyLink.

After you switch on Philips EasyLink, the following features are available:

One-touch play

When you play an HDMI-CEC compliant device, the TV switches on from standby and switches to the correct source.

One-touch standby

When you press ⏻ on the TV remote control, the TV and all HDMI-CEC compliant devices switch to standby mode.

EasyLink remote control

You can control multiple HDMI-CEC compliant devices with your TV remote control.

System audio control

If you connect an HDMI-CEC compliant device that includes speakers through the HDMI ARC connector, you can choose to hear the TV audio from those speakers instead of the TV speakers.

Synchronize audio

If you connect your TV to a home theater, you can synchronize the audio and video to avoid lag between the picture and sound.

Retain picture quality

If your TV picture quality is affected by the picture-processing features of other devices, you can switch on Pixel Plus Link to retain picture quality.

Maximize display for subtitled video

Some video subtitles can create a separate subtitle bar under the video, which limits the video display area. To maximize the video display area, you can switch on auto subtitle shift and display the subtitles on top of the video image.

Switch off connecting device

If your connecting device is not the active source, you can save energy by setting the TV to switch it to standby.

What you need

- Connect at least two HDMI-CEC compliant devices through HDMI. See **Connect your TV > Connect devices** (Page 34).
- Configure each HDMI-CEC compliant device properly
- Switch on EasyLink

Switch on EasyLink

1. Press 🏠.
2. Select **[Setup]** > **[TV settings]** > **[EasyLink]** > **[EasyLink]**.
3. Select **[On]** or **[Off]**, then press **OK**.

Control devices simultaneously

If you connect multiple HDMI-CEC devices that support this setting, you can control all such devices through the TV remote control.

Note: This is an advanced setting. Devices that do not support this setting will not respond to the TV remote control.

1. Press 🏠.
2. Select **[Setup]** > **[TV settings]** > **[EasyLink]**.
3. Select **[EasyLink remote control]** > **[On]** or **[Off]**.
4. Press **OK** to activate.

Tips:

- To switch back to TV control, press 🏠, then select **[Watch TV]**.
- To control another device, press 🏠, then select the device from the Home menu.
- To exit, press **EXIT**.

EasyLink buttons

You can control HDMI-CEC compliant devices with these buttons on the TV remote control:

- ⏻: Switch the TV and the connected device on or to standby.
- **Play buttons**: Control video or music play.
- **Numeric buttons**: Select a title, chapter or track.
- **OK**: Start, pause or resume play on the connected device, activate a selection, or access the device menu.
- ◀◀ / ▶▶: Search backwards and forwards on the connected device.
- 🏠: Display the TV Home menu.

You can also control devices through other EasyLink buttons that are available through the On-Screen Remote Control (OSRC).

To access the OSRC

1. While you view content from a connected device, press ☐ **OPTIONS**.
2. Select **[Show remote control]**, then press **OK**.
3. Select an onscreen button, then press **OK**.
4. Press **EXIT** to exit.

Select speaker output

If the connected device is HDMI-CEC compliant, you can output TV audio through an HDMI cable. Make sure you connect the device to the HDMI connector on the TV. See **Connect your TV > About cables > HDMI** (Page 33).

Configure TV speakers

1. Press 🏠.
2. Select **[Setup]** > **[TV settings]** > **[EasyLink]** > **[TV speakers]**.
3. Select an option, then press **OK**:

- **[Off]**: Switch off TV speakers.
- **[On]**: Switch on TV speakers.
- **[EasyLink]**: Stream TV audio through the HDMI-CEC device. Switch the TV audio to the connected HDMI-CEC audio device through the Adjust menu.
- **[EasyLink autostart]**: Switch off TV speakers automatically and stream TV audio to the connected HDMI-CEC audio device.

Select speaker output with Adjust menu

If **[EasyLink]** or **[EasyLink autostart]** is selected, you can change how the TV audio is streamed to the connected HDMI-CEC device.

1. While you watch TV, press **ADJUST**.
2. Select **[Speakers]**, then press **OK**.
3. Select one of the following, then press **OK**:

- **[TV]**: On by default.
  Stream TV audio through TV and the connected HDMI-CEC audio device until the connected device switches to system audio control. TV audio is then streamed through the connected device.
- **[Amplifier]**: Stream audio through the connected HDMI-CEC device. If system audio mode is not enabled on the device, audio continues to stream from the TV speakers. If **[EasyLink autostart]** was selected, the TV prompts the connected device to switch to system audio mode.

With HDMI ARC compliant device

If an HDMI-ARC compliant device is connected through an HDMI ARC connector to the TV, you can output TV audio through the HDMI cable. You will not need an additional audio cable.

1. Press 🏠.
2. Select **[Setup]** > **[TV settings]** > **[EasyLink]**.
3. Select **[HDMI 3 - audio out]** > **[On]**.
4. Select one of the following, then press **OK**.

- **[On]**: Hear the TV audio through the connected ARC compliant device.
- **[Off]**: Hear the TV audio through the TV speakers, or through a device connected through the optical audio out connector.

5. Control playback with the TV remote control play buttons.

Synchronize audio

If your TV is connected to a home theater and there is a lag between the picture and the sound, you can synchronize them.

- If you are using a Philips home theater, the audio and video are automatically synchronized.
- For other home theater brands, you need to switch on the audio sync delay on the TV to synchronize the audio and video.

Switch on Audio Out Delay

1. Press ⌂.
2. Select **[Setup]** > **[TV settings]** > **[Sound]**.
3. Select **[Audio out delay]** > **[On]**, then press **OK**.

Retain picture quality

If your TV picture quality is affected by the picture-processing features of other devices, you can switch on Pixel Plus Link.

Switch on Pixel Plus Link

1. Press ⌂.
2. Select **[Setup]** > **[TV settings]** > **[EasyLink]**.
3. Select **[Pixel Plus Link]** > **[On]**, then press **OK**.

Maximize video display

Some subtitles create a separate subtitle bar under the video that limits the video display area. To maximize the video display area, you can switch on auto subtitle shift. The subtitles then display over the video image.

Switch on auto subtitle shift

1. Press ⌂.
2. Select **[Setup]** > **[TV settings]** > **[EasyLink]** > **[Auto subtitle shift]**.
3. Select **[On]**, then press **OK** to activate.

Note: Make sure that the picture format of the TV is set to **[Auto format]** or **[Movie expand 16:9]**.

Switch off connecting device

You can set the TV to switch off connecting HDMI-CEC compliant devices if they are not the active source. The TV switches the connecting device to standby after 10 minutes of inactivity.

1. Press ⌂.
2. Select **[Setup]** > **[TV settings]** > **[EasyLink]**.
3. Select **[Auto switch off devices]** > **[On]**, then press **OK** to activate.

Set locks and timers

Clock

You can display a clock on the TV. The clock displays the time that is broadcast by your TV service operator.

Display the TV clock

1. While you watch TV, press ☐ **OPTIONS**.
2. Select **[Clock]**, then press **OK**.

The clock is displayed on the top right hand corner of the TV screen.

Change the clock mode

You can change the clock mode to automatic or manual. By default, it is set to automatic mode, which automatically synchronizes it to Coordinated Universal Time (UTC). If your TV cannot receive UTC transmissions, change the clock mode to **[Manual]**.

1. While you watch TV, press ⌂.
2. Select **[Setup]** > **[TV settings]** > **[Preferences]**.
3. Select **[Clock]** > **[Auto clock]**.
4. Select **[Automatic]** or **[Manual]**, then press **OK**.

Change the time zone

In countries with clock transmission data, you can change the time zone if **[Auto clock]** > **[Automatic]** is selected.

1. In the **[Clock]** menu, select **[Time zone]**.
2. Select your time zone, then press **OK**.

Set the clock manually

You can set the date and time manually. Before you start, set the clock mode to **[Manual]**.

1. In the **[Clock]** menu, select **[Date]** or **[Time]**, then press **OK**.
2. Use the **Navigation buttons** to make your selection.
3. Select **[Done]**, then press **OK**.

Sleeptimer

You can switch the TV to standby after a specified time. During the countdown to the specified time, you can switch off your TV earlier or reset the sleeptimer.

1. Press ⌂.
2. Select **[Setup]** > **[TV settings]** > **[Preferences]** > **[Sleep timer]**.
3. Press the **Navigation buttons** to set the sleeptimer.
The sleeptimer can be set up to 180 minutes, in steps of ten minutes. To switch off the sleeptimer, set it to zero minutes.
4. Press **OK** to activate the sleeptimer. After the specified time, the TV switches to standby.

Child lock

To protect children from unsuitable TV programs, you can lock the TV or block age rated programs.

Set or change the child lock code

1. Press ⌂.
2. Select **[Setup]** > **[Channel settings]** > **[Child lock]**.
3. Select **[Set code]** or **[Change code]**.
4. Enter the code with the **Numeric buttons**.

Tip: If you forget your code, enter '8888' to override any existing codes.

Lock or unlock channels

1. In the child lock menu, select **[Channel lock]**.
2. Select the channel to lock or unlock, then press **OK**.
3. If prompted, enter the child lock code with the **Numeric buttons**.
4. Restart the TV to activate the lock.

Note:

If you access the channels from the channel list, you are prompted to enter your lock code.

Age rating

You can set your TV to display only programs with age ratings lower than your child's age. This restriction only applies to digital channels from broadcasters that rate their programs according to age.

1. Press ⌂.
2. Select **[Setup]** > **[Channel settings]**.
3. Select **[Child lock]** > **[Age ratings lock]**.
You are prompted to enter the child lock code.
4. Enter the child lock code with the **Numeric buttons**.
5. Select an age rating, then press **OK**.
All programs above the selected age rating are blocked.

For information on child lock codes, see **Use more of your TV > Set locks and timers > Child lock**.

Content rating

You can block programs of objectionable content.

1. Press ⌂.
2. Select **[Setup]** > **[Channel settings]**.
3. Select **[Child lock]** > **[Content ratings lock]**.
You are prompted to enter the child lock code.
4. Enter your code with the **Numeric buttons**.
5. Select a content to block, then press **OK**.
The selected content is blocked.

View Scenea

What you can do

With Scenea, you can display a picture as the wallpaper on your TV. Display the default picture, or load your own picture as the wallpaper.

The wallpaper is displayed for 240 minutes, or for the duration of the sleeptimer.

Switch on

1. Press ⌂.
2. Select **[Scenea]**, then press **OK**.

The default picture is displayed.

Note: The wallpaper is displayed for 240 minutes, or for the duration of the sleeptimer. For information about the sleeptimer, see **Use more of your TV > Set locks and timers > Sleeptimer** (Page 26).

Load TV wallpaper

You can also load your own picture as the wallpaper.

Note: When you load a new picture, it overrides the existing picture.

1. Connect the USB storage device to the TV.
2. Press ⌂.
3. Select **[Browse USB]**, then press **OK**.
4. Select a picture, then press ☐ **OPTIONS**.
5. Select **[Set as Scenea]**, then press **OK**.
6. Press any button to exit Scenea.

4 Set up your TV

Picture and sound

Settings assistant

You can select picture and sound settings with the help of the settings assistant, which demonstrates the effect of your chosen setting immediately.

1. While you watch TV, press ⌂.
2. Select **[Setup]** > **[Quick picture and sound settings]**, then press **OK**.
3. Select **[Continue]**, then press **OK**.
4. Follow the onscreen instructions to choose your preferred settings.

More picture settings

You can change the settings in the Picture menu.

1. Press ⌂.
2. Select **[Setup]** > **[TV settings]** > **[Picture]**, then press **OK**.
3. Select a setting to adjust, then press **OK**.

- **[Smart picture]**: Access predefined smart picture settings.
- **[Reset]**: Reset to default factory settings.
- **[Backlight]**: Change the brightness of the TV to match the lighting condition.
- **[Contrast]**: Change the intensity of the bright areas, keeping dark areas unchanged.
- **[Brightness]**: Change the intensity and details of the dark areas.
- **[Color]**: Change color saturation.
- **[Tint]**: Compensate for color variations. (Available with NTSC signal only)
- **[Sharpness]**: Change sharpness.
- **[Noise reduction]**: Filter and reduce noise.
- **[Color temp.]**: Change the color balance.
- **[Custom color temp]**: Customize color temperature setting. (Available if **[Color temp.]** > **[Custom]** is selected only)
- **[Digital Crystal Clear]**: Control advanced settings to fine-tune each pixel to match surrounding pixels. Produce a brilliant, high definition image.
  - **[Advance sharpness]**: Enable superior sharpness, especially on lines and contours in the picture
  - **[Dynamic contrast]**: Set the level at which the TV automatically enhances details in the dark, middle and light areas of the picture.
  - **[Dynamic backlight]**: Reduce power consumption by dimming the TV backlight to match room lighting conditions.
  - **[MPEG artifact reduction]**: Smoothen the digital transitions in the picture.
  - **[Color enhancement]**: Change the colors to be more vivid and improve the resolution of details in bright colors.
  - **[Gamma]**: Non-linear setting for picture luminance and contrast.
- **[PC mode]**: When a PC is connected through HDMI, change the picture format to **[Unscaled]** to display maximum detail.
- **[Picture format]**: Change the picture format.
- **[Screen edges]**: Change the picture size.
- **[Picture shift]**: Move the position of the picture. You cannot select this setting if the selected picture format is **[4:3]**, **[Auto fill]**, **[Auto zoom]**, or **[Wide screen]**.

More sound settings

You can change the settings in the Sound menu.

1. Press .
2. Select **[Setup]** > **[TV settings]** > **[Sound]**, then press **OK**.
3. Select a setting to change, then press **OK**:

- **[Smart sound]**: Access predefined smart sound settings.
- **[Reset]**: Reset to factory default settings.
- **[Clear sound]**: Enhance the sound quality.
- **[Bass]**: Change the bass level.
- **[Treble]**: Change the treble level.
- **[Surround]**: Switch on spatial sound.
- **[Headphone volume]**: Change headphone volume.
- **[Auto volume leveling]**: Automatically reduce sudden volume changes, for example, when switching channels.
- **[Balance]**: Change the balance of the left and right speakers.
- **[Audio out delay]**: Automatically sync the image on the TV to the audio from a connected home theater.
- **[Audio out offset]**: Change the setting for audio output delay. You cannot select this setting if **[Audio out delay]** is not switch on.
- **[Digital output format]**: Select audio output through the digital audio connector. Select **[PCM]** to convert non-PCM audio or **[Multichannel]** to output to home theater.
- **[Digital output level]**: Set the sampling rate for PCM audio.
  [Normal] - No loss in intensity or signal strength; **[Low]** - certain amount of loss in intensity or signal strength.

Select audio format

If a Analog TV channel broadcaster streams audio in several formats, you can select an audio format.

1. Press .
2. Select **[Setup]** > **[Channel settings]** > **[Language]**.
3. Select a setting, then press **OK**:

- **[Mono/Stereo]**: If stereo broadcasting is available, select mono or stereo audio.

4. Press **EXIT** to exit.

Reset picture and sound

You can restore the default picture and sound settings, while the channel installation settings remain the same.

1. While you watch TV, press .
2. Select **[Setup]** > **[TV settings]** > **[Factory settings]**, then press **OK**.

All TV settings (except for channel settings) are reset to the default factory settings..

Channel settings

Automatic install

When the TV was switched on for the first time, a full installation of channels was performed. To change your language, country, and reinstall all available TV channels, you can run this full installation again.

Start installation

1. Press .
2. Select **[Setup]** > **[Search for channels]** > **[Reinstall channels]**, then press **OK**.
   The Country menu is displayed.
3. Select your country, then press **OK**.
4. Select your network, then press **OK**:

- **[Antenna]**: Access free-to-air antenna or digital DVB-T channels.
- **[Cable]**: Access cable or digital DVB-C channels.

5. Follow the onscreen instructions to select other options, if any.
The start menu for channel search is displayed.
6. Start channel search:

- If your channel service provider instructs you to change settings, select **[Settings]**, then press **OK**. Follow the service provider's instructions to complete the installation.
- Otherwise, select **[Start]**, then press **OK**.

7. Once the channel search is complete, select **[Finish]**, then press **OK**.

Tip: Press ☰ **LIST** to see the channel list.

Note: When digital TV channels are found, the list of installed channels may display empty channel numbers. You can rename, reorder, or uninstall these channels.

Install digital channels

If you know the channel frequency of the channels you want to install, you can search and store digital channels one-by-one. For best results, contact the service provider.

1. Press ⌂.
2. Select **[Setup]** > **[Channel settings]** > **[Channel installation]**.
3. Select **[Digital: Reception test]** > **[Search]**, then press **OK**.
4. Press the **Numeric buttons** to enter the channel frequency.
5. Select **[Search]**, then press **OK**.
6. When the channel is found, select **[Store]**, then press **OK**.
7. Press **EXIT** to exit.

Note: If the reception is poor, reposition your antenna and repeat the procedure.

Update channel list

When the TV was switched on for the first time, a full installation of channels was performed.
By default, when there are changes to these channel lists, the TV updates them automatically. You can also manually update the channels.

Note: If you are prompted to enter a code, enter '8888'.

Automatic update

To add or remove digital channels automatically, leave the TV in standby mode. The TV updates channels and stores new channels everyday. Empty channels are removed from the channel list.

Update channels manually

1. Press ⌂.
2. Select **[Setup]** > **[Search for channels]** > **[Update channels]**, then press **OK**.
3. Follow the onscreen instructions to update the channels.

Language settings

Menu language

1. While you watch TV, press ⌂.
2. Select **[Setup]** > **[TV settings]** > **[Preferences]** > **[Menu language]**.
3. Select a menu language from the list, then press **OK**.

Audio language

Select audio language

If the TV channel broadcasts multiple or dual audio languages, you can select the preferred audio language.

1. While you watch TV, press ⊟ **OPTIONS**.
2. Select **[Audio language]** for digital channels or **[Alternate audio]** for analog channel, then press **OK**.
3. Select from the available languages, then press **OK**.

- For analog channel, select:
  [Main]: Primary audio language, or
  [SAP]: Secondary audio languages

Display closed caption

You can display closed captions at all times or only when the TV is muted.

Note:
Not all TV programs, commercials and features include closed captioning information.
See your local TV program listings on channels with closed caption text. The captioned programs are typically listed with service marks, such as 'CC' in the TV listings.

1. While you watch TV, press ☰ OPTIONS.
2. Use the **Navigation buttons** to select **[Closed captions]**.
3. Select an option, and then press **OK**.
4. Press ☰ OPTIONS.
5. Select **[Caption service]**.
6. Select the correct type of closed caption, and then press **OK**.

Universal access settings

Switch on

Some digital TV broadcasters provide special audio and subtitle features for people who are hearing or visually impaired. You can switch these features on or off.

1. Press ⌂.
2. Select **[Setup]** > **[TV settings]** > **[Preferences]**.
3. Select **[Universal access]** > **[On]** or **[Off]** then press **OK**.

Audio feedback

When you press a button on the remote control or TV, you can set the TV to play a beep.

1. In the **[Universal access]** menu, press the **Blue button** to select **[Key beep]**.
2. Press the **Green button** to turn on audio feedback, or press the **Red button** to turn it off.
3. Press **EXIT** to exit.

Other settings

TV demo

You can start a demo to find out more about the features on this TV.

Note: Demos are not supported on MHEG channels.

1. While you watch TV, press ⌂.
2. Select **[Setup]** > **[Watch demos]**, then press **OK**.
3. Select a demo, then press **OK**.
4. Press ⌂ to exit.

Location

To make sure that the correct TV settings are applied, you can select where the TV is used.

Shop or home mode
Select **[Home]** mode to access all TV settings. In **[Shop]** mode, you can access only limited settings.

1. While you watch TV, press ⌂.
2. Select **[Setup]** > **[TV settings]** > **[Preferences]**.
3. Select **[Location]** > **[Home]** or **[Shop]**, then press **OK**.
4. Restart the TV.

Placement

- Before you position the TV, read all safety precautions. See **Get Started > Important > Safety** (Page 6).
- Position the TV where light does not shine directly on the screen.
- The ideal viewing distance of this TV is three times its diagonal screen size. For example, if the diagonal screen size of the TV is 81cm / 32", the ideal viewing distance is ~2.5m / ~92" from the front of the screen.
- While seated, your eyes should be level with the center of the screen.

Stand mount or wall mount

You can apply the best settings for your TV by selecting wall mount or stand mount.

1. In the **[Preferences]** menu, select **[TV position]**.
2. Select **[On a TV stand]** or **[Wall mounted]**, then press **OK**.

Update software

Check version

1. Press ⌂.
2. Select **[Setup]** > **[Software settings]** > **[Current software info]**, then press **OK**.

The version of the current software is displayed.

Caution: Do not install a lower version of software than the current version installed on your product. TP Vision cannot be held liable or be made responsible for problems caused by a software downgrade.

Update the software through one of these methods:

- update with USB storage device
- update from digital broadcast

Update with USB

Before you update the software, make sure that you have:

- A USB storage device that has at least 256 megabytes of storage space, is FAT or DOS formatted, and has its write protection disabled.
- Access to a computer with a USB connector and Internet access.

Note: Do not use a USB hard drive.

1. Connect a USB storage device.
2. Press ⌂.
3. Select **[Setup]** > **[Update software]**, then press **OK**.

The update assistant starts.

4. Follow the onscreen instructions to start the update.

Note: The update assistant directs you to the Philips support website. See the installation instructions on the website to complete the update.

Update from digital broadcast

When available, the TV can receive software updates through digital broadcasts. When a software update is received, you are prompted to update the software. We strongly recommend that you update the software when prompted.

Follow the onscreen instructions.

Note: To update the software later, select ⌂ > **[Setup]** > **[Software settings]** > **[Local updates]**.

Select the file that you downloaded and follow the onscreen instructions to complete the update.

Restore default settings

You can reset all picture and sound settings and reinstall all TV channels on your TV.

1. Press ⌂.
2. Select **[Setup]** > **[TV settings]** > **[Reinstall TV]**, then press **OK**.
3. Follow the onscreen instructions.

5 Connect your TV

About cables

Cable quality

Overview

Before you connect devices to the TV, check the available connectors on the device. Connect the device to the TV with the highest quality connection available. Good quality connectors transfer picture and sound better.

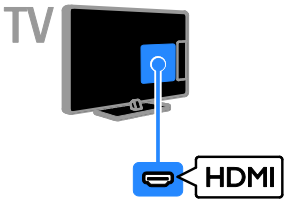
The connections shown in this user manual are recommendations only. Other solutions are possible.

Tip: If your device only has composite or RCA connectors, use a SCART-cinch adapter to connect the device to a SCART connector on the TV.

HDMI

An HDMI connection has the best picture and sound quality.

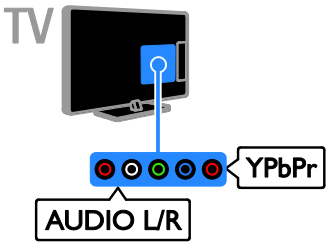
- An HDMI cable combines video and audio signals. Connect HDMI for high-definition (HD) TV signals, and to switch on EasyLink.
- An HDMI Audio Return Channel (ARC) connector allows output of TV audio to an HDMI ARC compliant device.
- Connect HDMI cables shorter than 5 meters/16.4 feet.



Y Pb Pr

Component video (Y Pb Pr) only transmits video. For sound, also connect to Audio Left/Right.

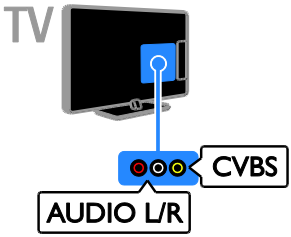
- The Y Pb Pr connection can handle high-definition (HD) TV signals.
- Match the Y Pb Pr connector colors to the cable plugs.



CVBS

CVBS only transmits video. For sound, also connect to Audio Left/Right.

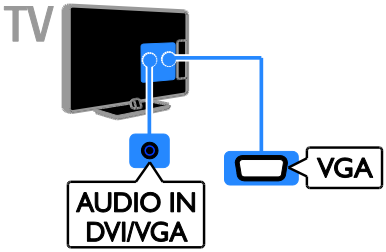
- CVBS connections provides standard picture quality.
- On certain models, the video input socket on your TV is labelled as VIDEO, AV IN or COMPOSITE.



VGA

You can connect VGA to display PC content on the TV.

VGA only transmits video. For sound, also connect to AUDIO IN.

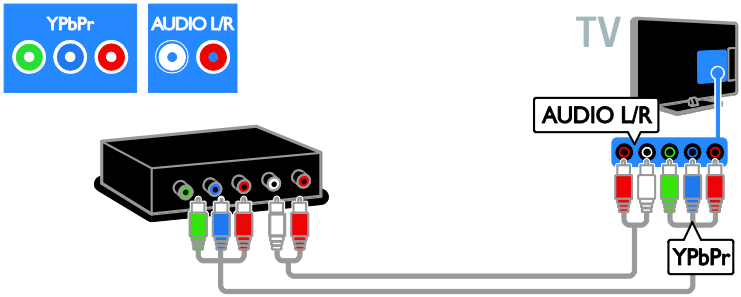


Connect devices

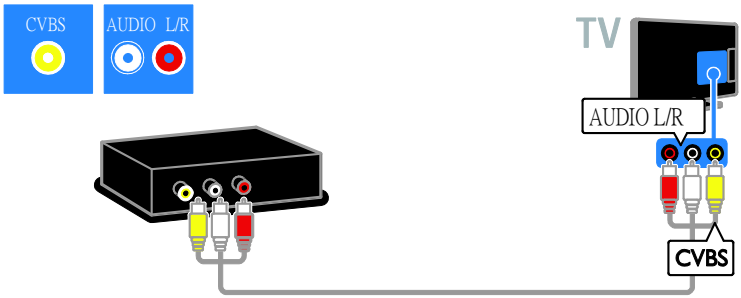
Blu-ray or DVD disc player

Connect the disc player with an HDMI cable to the TV.

Connect the disc player with a component video cable (Y Pb Pr) and an audio L/R cable to the TV.

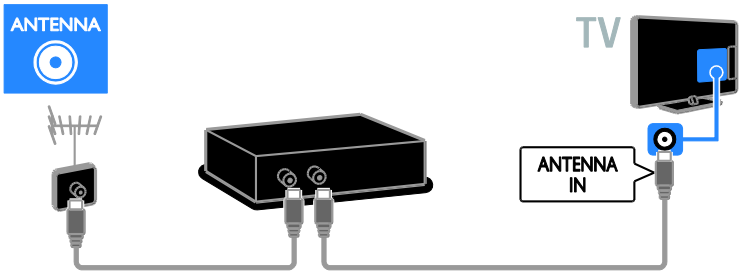


Connect the disc player with a composite cable (CVBS) and an audio L/R cable to the TV.



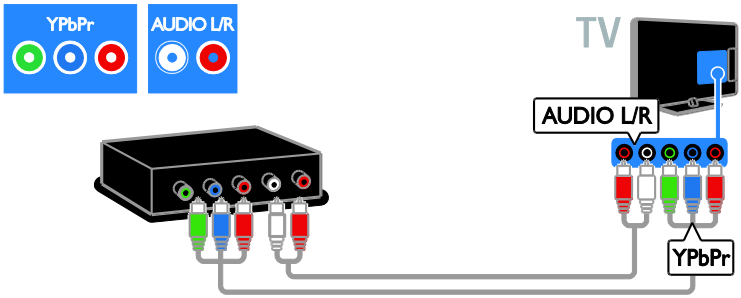
TV receiver

Connect the digital TV receiver with an antenna cable to the TV.

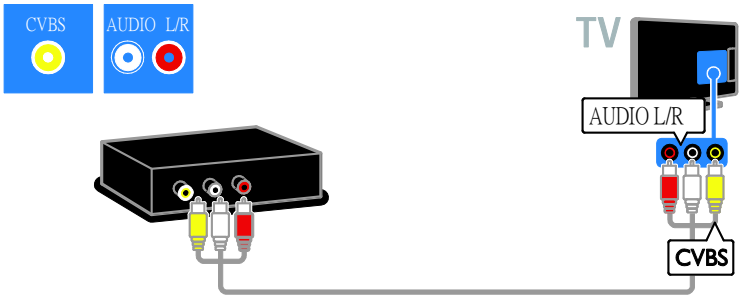


Connect the digital TV receiver with an HDMI cable to the TV.

Connect the digital TV receiver with a component video cable (Y Pb Pr) and an audio L/R cable to the TV.

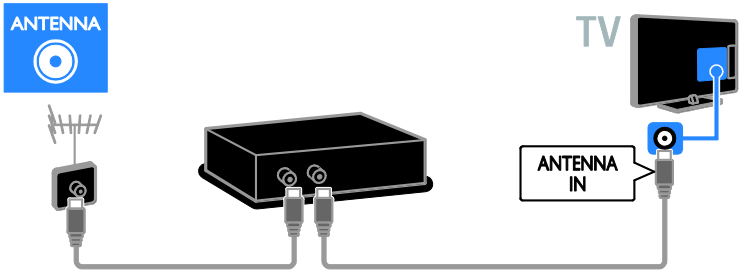


Connect the digital TV receiver with a composite cable (CVBS) and an audio L/R cable to the TV.

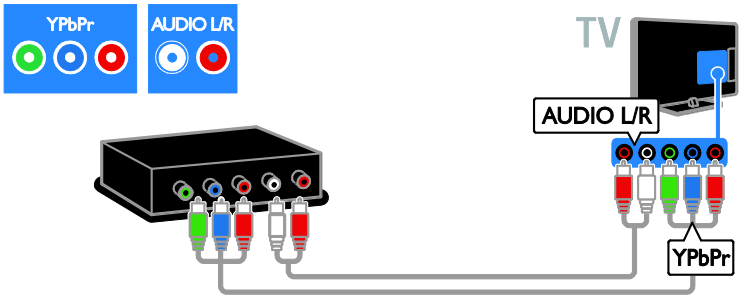


Video recorder

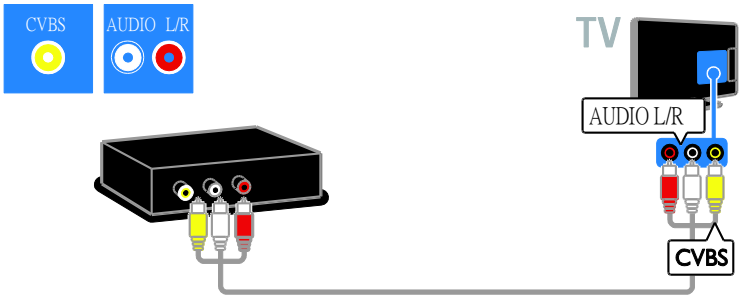
Connect the recorder with an antenna cable to the TV.



Connect the recorder with a component video cable (Y Pb Pr) and an audio L/R cable to the TV.



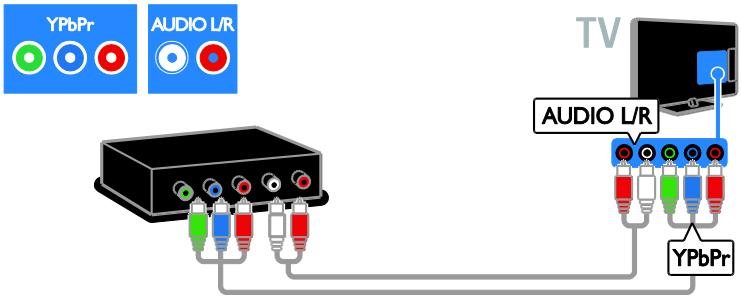
Connect the recorder with a composite cable (CVBS) and an audio L/R cable to the TV.



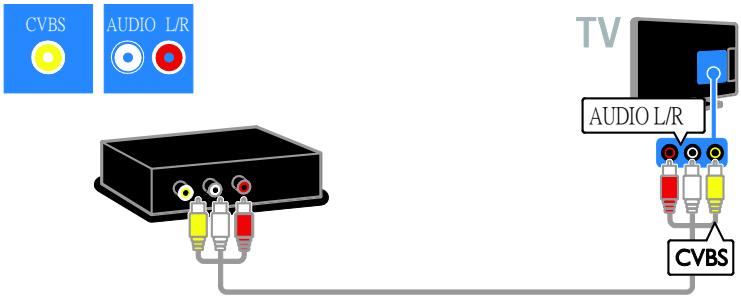
Game console

Connect the game console with an HDMI cable to the TV.

Connect the game console with a component video cable (Y Pb Pr) and an audio L/R cable to the TV.

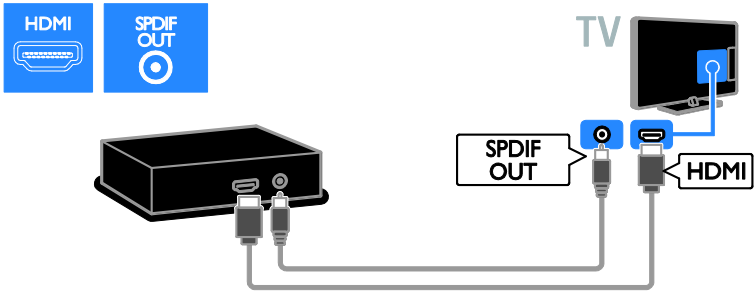


Connect the game console with a composite cable (CVBS) and an audio L/R cable to the TV.

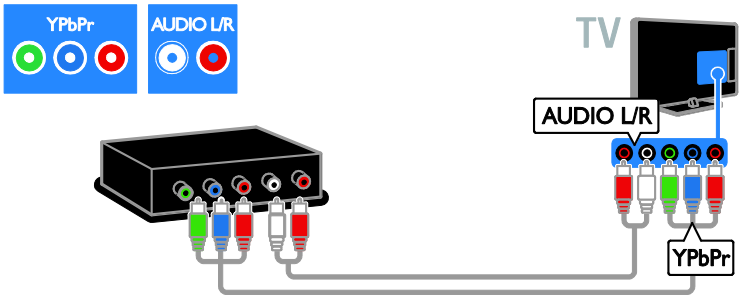


Home theater

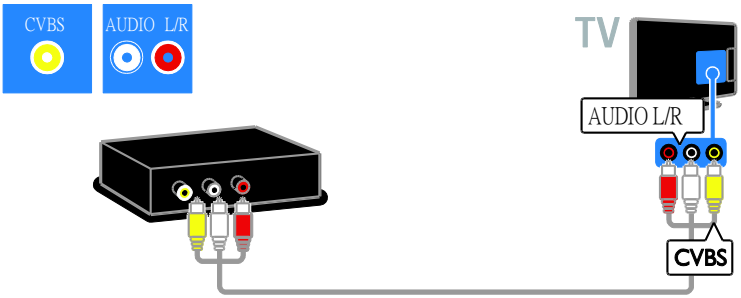
Connect the home theater with an HDMI cable and an optical cable to the TV.



Connect the home theater with a component video cable (Y Pb Pr) and an audio L/R cable to the TV.

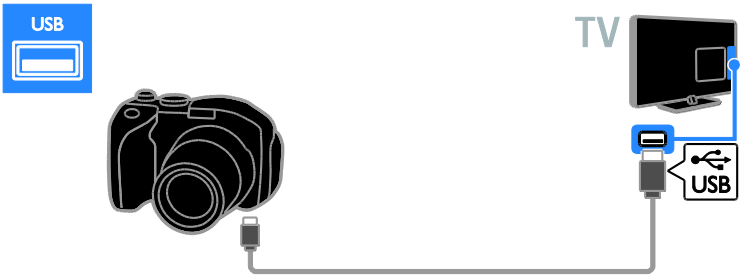


Connect the home theater with a composite cable (CVBS) and an audio L/R cable to the TV.



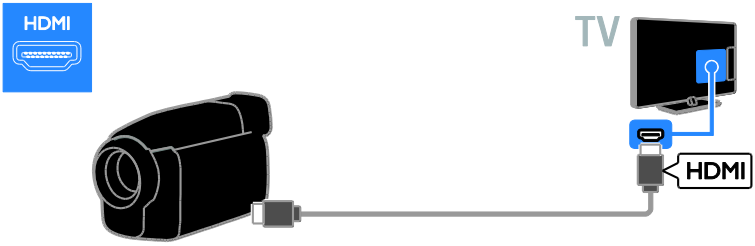
Digital camera

Connect the digital camera with a USB cable to the TV. (For certain camera models only)

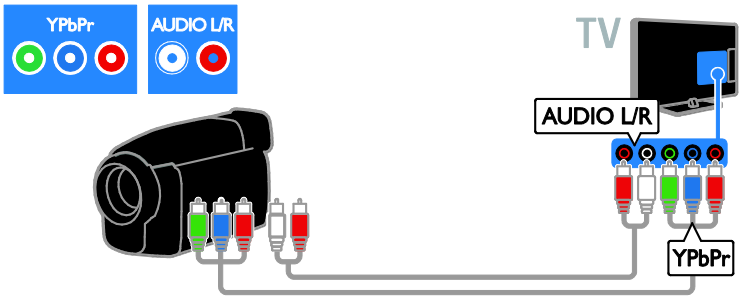


Digital camcorder

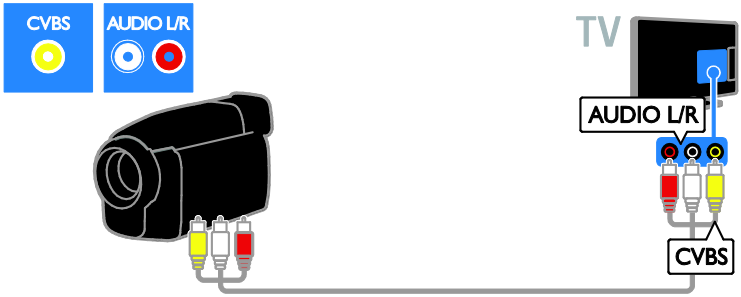
Connect the digital camcorder with an HDMI cable to the TV.



Connect the digital camcorder with a component video cable (Y Pb Pr) and an audio L/R cable to the TV.



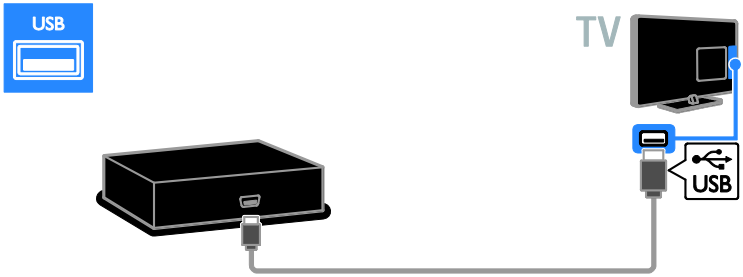
Connect the digital camcorder with a composite cable (CVBS) and an audio L/R cable to the TV.



Connect more devices

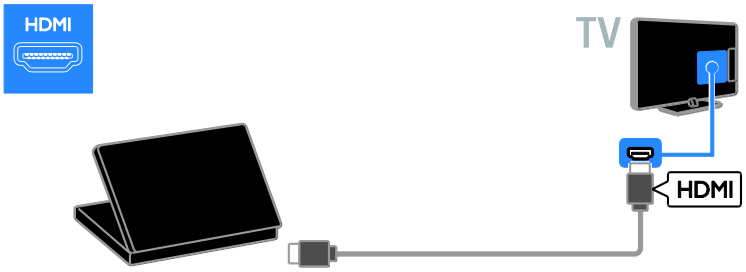
USB hard drive

Connect the USB hard drive with a USB cable to the TV.

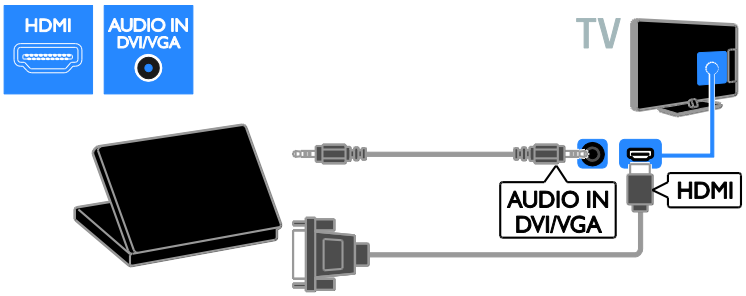


Computer

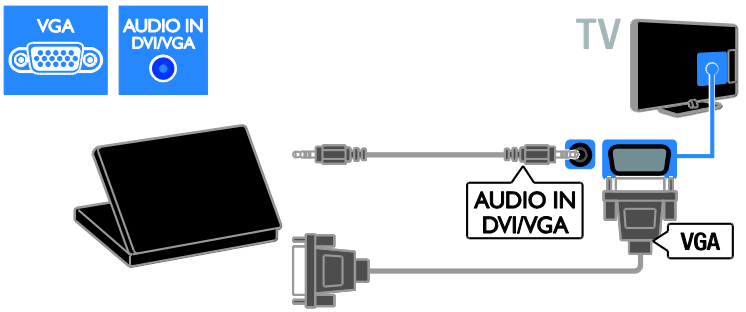
Connect the computer with an HDMI cable to the TV.



Connect the computer with a DVI-HDMI cable and an audio cable to the TV.



Connect the computer with a VGA cable and an audio cable to the TV.



Watch a connected device

Add new device

Before you can watch a connected device,

- Add its icon to the Home menu for easy access. See **Connect your TV > Connect device** (Page 34).
- Select from the Source menu.

Note: If you connect an HDMI-CEC compliant device to the TV through HDMI connector and switch it on, the device is automatically added to the Home menu.

1. Connect and switch on the device.
2. Press .
3. Select **[Add new device]**, then press **OK**.
4. Follow the onscreen instructions.

- If you are prompted to select the TV connection, select the connector that this device uses.

Rename device

After you add a new device to the Home menu, you can rename it.

1. Press .
2. Select the device icon from the Home menu.
3. Press **OPTIONS**.
4. Select **[Rename]**, then press **OK**.

A text input box appears.

5. Press the **Numeric buttons** and the **Navigation buttons** to select and enter the name.
6. When complete, select **[Done]**, then press **OK**.

Select a source

From Home menu

After you add the new device to the Home menu, you can select the new device icon to view its contents.

1. Press .
2. Select the device icon from the Home menu.
3. Press **OK** to confirm.

From Source menu

You can also press **SOURCE** to display a list of connector names. Select the connector that connects the device to the TV.

1. Press **SOURCE**.
2. Press the **Navigation buttons** to select a connector in the list.
3. Press **OK** to confirm.

Remove device

If the device is no longer connected to the TV, you can remove it from the Home menu.

1. Press .
2. Select the device icon from the Home menu.
3. Press **OPTIONS**.
4. Select **[Remove device]**, then press **OK**.
5. Select **[Remove]**, then press **OK**.

The selected device is removed from the Home menu.

Network and the Internet

What you can do

Note: Network and Internet access are available on certain models only.

View Media

If you connect the TV to a home network, you can play photos, music and videos from your computer. See **Use your TV > View Media** (Page 17).

Smart TV

If you connect the TV to a home network with an Internet connection, you can browse Smart TV. Smart TV offers Internet services and websites tailored to your TV. Play music and videos, and consult infotainment. See **Use your TV > Browse Smart TV**.

Interactive TV

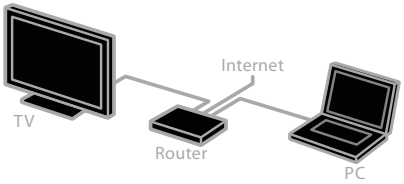
If you connect the TV to the Internet, you can enjoy the full benefits of Interactive TV. Systems such as HbbTV, MHP, and DTVi, use the Internet to communicate with the TV. The availability of these systems depends on your local broadcaster.

What you need

Warning: This TV complies with the EMC directive only when you use a shielded Cat5 ethernet cable.

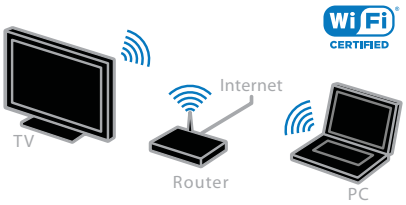
- An ethernet cable
- A computer network that includes:
  a) A universal plug-and-play (UPnP) router and
  b) A computer with one of these operating systems: Microsoft Windows XP, Microsoft Windows Vista, Mac OS X, or Linux.
- To connect your TV to computers, you also need media server software that is set to share files with your TV. See **Use your TV > View media** (Page 17).
- To connect your TV to the Internet, you also need a high-speed connection to the Internet.

Connect



You can connect this TV to your home network through a wired or wireless connection.

- For a wired connection, see **Connect your TV > Network and the Internet > Wired connection** (Page 44).



- For a Wi-Fi ready connection, see **Connect your TV > Network and the Internet > Wi-Fi ready**.

Wired connection

1. Switch on the router and switch on its DHCP setting.
2. Connect the router with an ethernet cable to the TV.
3. Press ⌂, then select **[Setup]**.
4. Select **[Connect to network]**, then press **OK**.
5. Follow the onscreen instructions to install the network.
6. Wait for the TV to find the network connection.
7. If you are prompted, agree to the End User License Agreement.

Wi-Fi ready

This section is only for Wi-Fi ready TVs.
With the Philips wireless USB adapter PTA127, you can connect the TV to your home network wirelessly.You can enjoy the best of the Internet from Smart TV services, and share content between your connected devices using DLNA.

Note:

The wireless network operates in the same 2.4GHz frequency spectrum as common household devices, such as Dect phones, microwave ovens or Bluetooth devices, which can cause Wi-Fi interference. Move these devices away from the TV.

- To reduce network traffic, switch off unused network equipment in the home network.
- Reception quality depends on the location of the wireless router and the local Internet service provider.
- While you play video over your wireless home network, we recommend that you use an IEEE 802.11 N router. The connection speed may differ according to the operating environment of your wireless home network.

Start wireless setup

1. Switch on your wireless network router.
2. Connect the Philips USB adapter PTA127 to a USB connector on the TV.
The wireless installation starts automatically.
3. Follow the onscreen instructions.

Tip: Keep the wireless USB adapter connected to the TV.

WPS - Wi-Fi Protected Setup

1. If your router supports WPS (Wi-Fi Protected Setup), press the WPS button on the router.
2. After 2 minutes, select **[WPS]** on the TV, then press **OK**.
The TV connects to your network. This takes about 2 minutes.

Most new wireless routers have the WPS system and carry the WPS logo. The WPS system uses WPS security encryption and cannot be combined with devices on your network that use the WEP (Wired Equivalent Privacy) security encryption.
If you still need the WEP devices in your network, install with **[Scan]** > **[Custom]**.

Scan for routers

If you have several routers in your network, you can select the network you need.
1. To select a specific network router, press **[Scan]** on the first page of the installation.
The routers with WPS and the strongest signal are shown first in the list on screen.
2. Select the router you need, then press **OK**.

- If you are connecting to a WPS router, select **[WPS]** on the TV.
- If you want to set the PIN code in your router software to connect, select **[WPS pin]** and note down the code.
- To enter the encryption key manually, select **[Standard]** and enter the key when prompted.

Set secured connection with WPS encryption

1. To set the secured connection with a PIN code, select the **[WPS pin]** and press **OK**.
2. Write down the 8-digit PIN code shown on TV and enter it in the router software on your PC.
See the router manual on where to enter the PIN code.

Set secured connection with WPA encryption

If your router has WPA (Wi-Fi Protected Access) security, enter the pass phrase with the remote control.
1. To enter the encryption key manually, select **[Standard]** and press **OK**.
2. To access the onscreen keyboard, select the text entry field, then press **OK**.

Set secured connection with WEP encryption

If your router has WEP security, the TV asks for the WEP encryption key in hexadecimal numbers.

1. Locate the hexadecimal key in the router software on your PC and make a note of of the first key in the WEP keys list.
2. Enter the security key on the TV with the remote control to connect to the router.
3. If prompted, agree to the End User License Agreement.

6 Troubleshooting

General issues

The TV does not switch on:

- Disconnect the power cable from the power outlet. Wait for one minute then reconnect it.
- Make sure that the power cable is securely connected.

The TV does not respond to remote control or front controls when switched on:

The TV requires some time to start up. During this time, the TV does not respond to the remote control or front controls. This is normal behavior.

When you are turning the TV on, off or to standby, you hear a creaking sound from the TV chassis:

No action is required. The creaking sound is due to the normal expansion and contraction of the TV as it cools and warms up. This does not affect performance.

When the TV is in standby, a startup splash screen is displayed, then returns to standby mode:

This is normal behavior. When the TV is disconnected and reconnected to the power supply, the startup screen is displayed at the next startup.

To switch on the TV from standby, press ⏻ on the remote control or press any key on the TV.

The standby light on the TV blinks red:

Disconnect the power cable from the power outlet. Wait until the TV cools down before you reconnect the power cable. If the blinking reoccurs, contact Philips Consumer Care.

You forgot the 4-digit code to unlock the channel blocking feature (child lock):

Enter '8888'.

The TV or Smart TV* menu is in the wrong language:

Change the menu to your preferred language.

For more information, see **Set up your TV > Language settings > Menu language** (Page 30).

* Available on PFL4xx7 only.

Subtitles are not visible when you play a movie file from a USB storage device:

Subtitle files that are not hard-coded into a video file (for example, *.srt, *.sub, *.idx) are not supported.

You want to upgrade your TV software:

Visit www.philips.com/support and download the latest software package for your TV. Software installation instructions and release notes indicating what's been updated are also available at the site. Full instructions on how to upgrade your TV software are also available at **Setup your TV > Update software**.

Channel issues

You want to install TV channels

See **Setup your TV > Channel settings** (Page 29) for instructions on installing analog or digital channels.

No digital channels were found during the installation:

See the technical specifications to make sure that your TV supports SATVD-T or SBTVD-T in your country.

- Make sure that all cables are properly connected and that the correct network is selected.

Previously installed channels do not appear in the channel list:

Make sure that the correct channel list is selected.

You want to rearrange or reorder the channel list:

After channels are installed, they appear in the channel list. For information about managing channel lists, including rearranging channels, see **Watch TV > Manage channel lists**.

English

Picture issues

The TV is on, but there is no picture or the picture is distorted:

- Make sure that the antenna is properly connected to the TV.
- Make sure that the correct device is selected as the display source.
- Make sure that the external device or source is properly connected.

There is sound but no picture:

Make sure that the picture settings are set correctly.

There is poor TV reception from an antenna connection:

- Make sure that the antenna is properly connected to the TV.
- Loud speakers, unearthed audio devices, neon lights, high buildings, and other large objects can influence reception quality. If possible, try to improve the reception quality by changing the antenna direction or moving devices away from the TV.
- If reception on only one channel is poor, fine-tune this channel.

There is poor picture quality from connected devices:

- Make sure that the devices are connected properly.
- Make sure that the picture settings are set correctly.

The TV did not save your picture settings:

Make sure that the TV location is set to **Home**. You can change and save settings in this mode.

The picture does not fit the screen; it is too big or too small:

Change the different picture format.

The picture format keeps changing with different channels:

Instead of the picture format **[Auto zoom]**, select a different picture format.

The picture position is incorrect:

Picture signals from some devices may not fit the screen correctly. Check the signal output of the device.

The picture from broadcasts is scrambled:

You may need a Conditional Access Module to access content. Check with your service operator.

An "e-sticker" banner displaying information appears on the TV display:

The TV is in **[Shop]** mode. To remove the e-sticker, set the TV to **[Home]** mode, then restart the TV. See **Setup your TV > Other settings > Location** (Page 31).

The computer display on the TV is not stable:

- Make sure that your PC uses the supported resolution and refresh rate. See **Product specifications > Display resolutions**.
- Change the TV picture format to **[Unscaled]**.

Sound issues

There is picture but no sound from the TV:

If no audio signal is detected, the TV automatically switches the audio output off — this does not indicate malfunction.

- Make sure that all cables are properly connected.
- Make sure that the volume is not muted or set to zero.
- Make sure that the TV speakers setting is selected. Press **ADJUST**, select **[Speakers]**, and then select **TV**.
- Make sure that the TV audio output is connected to the audio input on the HDMI-CEC enabled or EasyLink compliant home theater device. Sound should be heard from the home theater speakers.
- Some devices may require you to manually enable HDMI audio output. If HDMI audio is already enabled, but you still do not hear audio, try changing the digital audio format of the device to PCM ('Pulse Code Modulation'). Refer to the documentation accompanying your device for instructions.

There is picture but sound quality is poor:
Make sure that the sound settings are correctly set.

There is picture but sound comes from one speaker only:
Make sure that sound balance is set to the center.

Connection issues

There are problems with HDMI devices:

- Note that HDCP (High-bandwidth Digital Content Protection) support can delay the time taken for a TV to display content from an HDMI device.
- If the TV does not recognize the HDMI device and no picture is displayed, switch the source from one device to another and back again.
- If there are intermittent sound disruptions, make sure that output settings from the HDMI device are correct.
- If you use an HDMI-to-DVI adapter or HDMI to DVI cable, make sure that an additional audio cable is connected to AUDIO L/R or AUDIO IN (mini-jack only).

You cannot use EasyLink features:
Make sure that your HDMI devices are HDMI-CEC compatible. EasyLink features only work with devices that are HDMI-CEC compatible.

If an HDMI-CEC compliant audio device is connected to the TV and the TV does not display any mute or volume icon when the volume is muted, increased or decreased:
When a HDMI-CEC audio device is connected this behavior is normal.

USB device content is not displayed:

- Make sure that the USB storage device is set to **Mass Storage Class** compliant, as described in the storage device's documentation.
- Make sure that the USB storage device is compatible with the TV.
- Make sure that the audio and picture file formats are supported by the TV.

Audio and picture files on your USB storage device do not play or display smoothly:
The transfer performance of the USB storage device may limit the data transfer rate to the TV which causes poor playback.

Network issues

This section is applicable to certain models only.

You want to establish a wireless connection between your TV and home network:
Refer to **Connect your TV > Network and the Internet > Wi-Fi ready** for instructions on how to connect your TV wirelessly to your home network.

Smart TV does not work:
(Smart TV is available on PFL4xx7 only.) Check that the router is properly connected to the TV, and that your router has open access to the Internet. If your router has a firewall or security settings, make sure that it allows Smart TV data to pass through -- check your router documentation for details.

Open internet access via Smart TV is slow

- Try to improve the signal quality between the router and TV if you are accessing the Internet wirelessly Refer to the router's documentation for details.
- Always use a fast broadband wherever possible.
- Update your TV with the latest software to ensure browsing speed is optimal.

Browse Network is slow.

If you are accessing your PC wirelessly, refer to the router's documentation to improve the signal quality between the router and TV.

Wireless network is distorted or not found:

- Make sure that the wireless network is not disturbed by microwave ovens, DECT phones, or other neighboring Wi-Fi devices.
- If the wireless network is not working, try a wired network connection.
- Make sure that the firewalls in your network allow access to the TV wireless connection.

Contact Philips

Warning: Do not attempt to repair the TV yourself. This may cause severe injury, irreparable damage to your TV or void your warranty.

If are not able to resolve your problem, refer to the frequently asked questions (FAQs) for this TV at www.philips.com/support. You can also consult and contribute to the Philips TV community at www.supportforum.philips.com.

If you wish to speak with or email a Philips representative, contact the Philips Consumer Care in your country. You can find the contact details in the leaflet accompanying this TV or at www.philips.com/support.

Take note of your TV model and serial number before you contact Philips. These numbers are printed on the back of the TV and on the packaging.

7 Product specifications

Power and reception

Product specifications are subject to change without notice.

Power

- Mains power:
  For Argentina region: AC 220-240 V~, 50-60 Hz
  For Brazil region: AC 110-240 V~, 50-60 Hz
- Standby power consumption:
  For PFL30x7, PFL35x7, PFL40x7
  22" to 24": < 0.5 W
  32" to 47": < 0.3 W

  For PFL37x7, PFL47x7
  32" to 46": < 1 W
- Ambient temperature: 5 to 35 degree Celsius
- For power consumption, see the product specifications at www.philips.com/support.

Reception

- Antenna input: 75 ohm coaxial (F-type)
- TV system: PAL M, PAL N, NTSC M, SATVD-T, SBTVD-T
- Video playback: NTSC, PAL

Display and sound

Picture / Display

- Display type: edge LCD/LED backlight
- Diagonal size:
  - 56 cm / 22 inch
  - 61 cm / 24 inch
  - 81 cm / 32 inch
  - 99 cm / 39 inch
  - 107 cm / 42 inch
  - 117 cm / 46 inch
  - 119 cm / 47 inch
- Aspect ratio: 16:9 (widescreen)
- Panel resolution:
  For HD models: 1366 X 768 p
  For FHD models: 1920 X 1080 p
- Picture enhancement:
  Digital Crystal Clear
- Perfect Motion Rate (PMR): 120 Hz

Sound

- Output power (RMS): @ 10% THD
  - For 22" to 24": 10 W
  - For 32" to 47": 20 W
- Incredible Surround
- Clear Sound
- Mono / Stereo

Display resolutions

Computer formats - HDMI (Resolution - refresh rate)

640 x 480 - 60 Hz
800 x 600 - 60 Hz
1024 x 768 - 60 Hz
1280 x 720 - 60 Hz
1280 x 768 - 60 Hz
1280 x 1024 - 60 Hz
1360 x 768 - 60 Hz

For Full HD TV only:
1680 x 1050 - 60 Hz
1920 x 1080 - 60 Hz

Computer formats - VGA (Resolution - refresh rate)

640 x 480 - 60 Hz
800 x 600 - 60 Hz
1024 x 768 - 60 Hz
1280 x 1024 - 60 Hz
1360 x 768 - 60 Hz

For Full HD TV only:
1920 x 1080 - 60 Hz

Video formats (Resolution - refresh rate)

480i - 60 Hz
480p - 60 Hz
576i - 50 Hz
576p - 50 Hz
720p - 50Hz, 60 Hz
1080i - 50Hz, 60 Hz
1080p - 24Hz, 25Hz, 30Hz, 50Hz, 60 Hz

Multimedia

Supported multimedia connections

- USB: Connect only USB devices which consumes 500mA of power or less.
  - NTFS, FAT 16 (Read only)
  - FAT 32
- Ethernet LAN RJ-45 (Available on certain models only)

Supported image files

- JPEG (*.jpg)

Supported audio/video files

Multimedia file names must not exceed 128 characters.

File Extensions	Container	Video codec	Maximum resolution	Max. Frame Rate (fps)	Max. Bit Rate (Mbps)	Audio codec	USB	DLNA
.mpg .mpeg .vob	PS	MPEG1	768x576	30	1.8 Mbps	MP1 Layer1/2, MP3, AC3, DVD LPCM	YES	YES
		MPEG2 MP@HL	1920x1080	30	40 Mbps		YES	YES
.ts	TS	MPEG2 MP@HL	1920x1080	30	40 Mbps	MPEG1 Layer1/2, AC3	YES	YES
		VC-1	1920x1080	30	40 Mbps	MPEG2 AAC-LC, MPEG4 AAC-LC/ HE-AAC, AC3	YES	YES
		H.264 BP/MP/HP LV 4.0	1920x1080	30	40 Mbps		YES	YES
.mp4 (.mov and .3gpp extensions are not supported)	MP4	H.264 BP/MP/HP LV 4.0	1920x1080	30	40 Mbps	MPEG1 Layer1/2, MP3, MPEG2 AAC-LC, MPEG4 AAC-LC/HE-AAC	YES	YES
		MPEG4 SP@L 3.0/ ASP@HL 4.0	1920x1080	30	40 Mbps		YES	YES
		H.263	1408x1152	30	40 Mbps		YES	YES
		Motion JPEG (*.mov only)	1280x720	30	30 Mbps		YES	YES
.mkv	MKV	H.264 BP/MP/HP LV 4.0	1920x1080	30	40 Mbps	wav:PCM/ADPCM/A-law PCM/u-law PCM, MPEG1 Layer1/2, MP3, MPEG2 AAC-LC, MPEG4 AAC-LC/HE-AAC, AC3, WMAv8	YES	YES
		MPEG4 SP@L 3.0/ ASP@HL 4.0	1920x1080	30	40 Mbps		YES	YES
		WMV9	1920x1080	30	40 Mbps		YES	YES
		VC-1	1920x1080	30	40 Mbps		YES	YES

Supported audio/video files

Multimedia file names must not exceed 128 characters.

File Extensions	Container	Video codec	Maximum resolution	Max. Frame Rate (fps)	Max. Bit Rate (Mbps)	Audio codec	USB	DLNA
.mp4 .avi	AVI	XviD	1920x1080	30	40 Mbps	wav:PCM/ADPCM/A-law PCM/u-law PCM, MPEG1 Layer 1/2, MP3, MPEG2 AAC-LC, MPEG4 AAC-LC/HE-AAC, AC3, WMAv8	YES	YES
		MPEG1	768x576	30	1.8 Mbps		YES	YES
		MPEG2 MP@HL	1920x1080	30	40 Mbps		YES	YES
		H.264 BP/MP/HP LV 4.0	1920x1080	30	40 Mbps		YES	YES
		MPEG4 SP@L 3.0/ ASP@HL 4.0	1920x1080	30	40 Mbps		YES	YES
		Motion JPEG	1280x720	30	30 Mbps		YES	YES
.flv	FLV	Sorenson	352x288	30	40 Mbps	MPEG1 Layer1/2, MP3, MPEG2 AAC-LC, MPEG4 AAC-LC/HE-AAC	YES	YES
		H.264 BP/MP/HP LV 4.0	1920x1080	30	40 Mbps		YES	YES
.mp3	MP3	NA	NA	NA	32/40/48/56/64/80/96/ 112/128/160/192/224/ 256/320 kbits/s	MP3	YES	YES
.wav	MKV	NA	NA	NA	16bit PCM(big/little endian) 24bit PCM(big endian)	PCM/ADPCM/A-law PCM/ u-law PCM	YES	YES
.aac .mp4 .m4a	AAC	NA	NA	NA	16-576 kbits/s	ACC-LC/HE-AAC	YES	YES

Supported DLNA-compliant media server software

(DLNA is available on certain models only)

- Windows Media Player (for Microsoft Windows)
- Twonky Media (for Microsoft Windows and Mac OS X)
- Sony Vaio Media Server (for Microsoft Windows)
- TVersity (for Microsoft Windows)
- Nero MediaHome
- DiXiM (for Microsoft Windows XP)
- Macrovision Network Media Server (for Microsoft Windows)
- Fuppes (for Linux)
- uShare (for Linux)

Connectivity

Rear

- NETWORK: Ethernet LAN RJ-45 (available on certain models only)
- Service port: SERV.U
- AUDIO IN: DVI/VGA (stereo 3.5mm mini-jack)
- VGA: PC input
- Component and Audio: Y Pb Pr, Audio L/R
- SPDIF OUT: Cinch (Digital Audio Out)
- ANTENNA IN 1 (Air): 75 ohm coaxial
- ANTENNA IN 2 (Cable): 75 ohm coaxial
- ARC HDMI 3

Side

- Headphones: stereo 3.5mm mini-jack
- Composite and Audio: CVBS, Audio L/R
- USB 1 / USB 2
- HDMI 1, HDMI 2

HDMI features

- Audio Return Channel (HDMI 3 only)

Supported TV mounts

You can mount your TV on the wall with a compatible TV mount (sold separately). Select the type of TV mount for your TV screen size:

56 cm / 22 inches:
75mm x 75mm, M4

61 cm / 24 inches:
75mm x 75mm, M4

81 cm / 32 inches:
- For PFL3017D, PFL35x7D, PFL40x7G, PFL47x7G: 200mm x 200mm, M6
- For PFL37x7D, PFL40x7D: 200mm x 100mm, M4

99 cm / 39 inches:
- For PFL47x7G: 200mm x 200mm, M6

107 cm / 42 inches:
- For PFL30x7D, PFL35x7D: 400mm x 200mm, M6
- For PFL37x7D, PFL40x7G: 400mm x 400mm, M6

117 cm / 46 inches:
- For PFL47x7G: 400mm x 400mm, M6

119 cm / 47 inches:
- For PFL30x7D: 200mm x 200mm, M6
- For PFL40x7G: 400mm x 400mm, M6

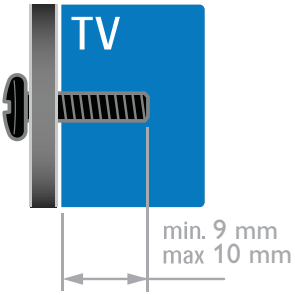
Warning: Follow all instructions provided with the TV mount. TP Vision Netherlands B.V. bears no responsibility for improper TV mounting that results in accident, injury or damage.

To prevent damage to cables and connectors, leave a gap of at least 5.5 cm / 2.2 inches from the back of the TV.

For PFL30x7D - 22 to 24 inch TVs:

Before you mount the TV on the wall, find the correct length of the screw.

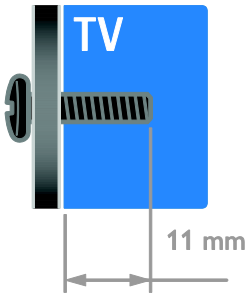
To find the length of the screw, add the thickness of your wall mount to the screw length, as shown in the graphic.



For PFL30x7D, PFL35x7D - 32 to 47 inch TVs:

Before you mount the TV on the wall, find the correct length of the screw.

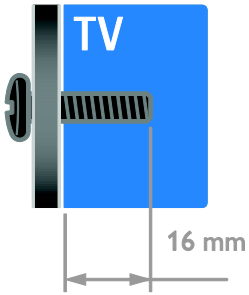
To find the length of the screw, add the thickness of your wall mount to the screw length, as shown in the graphic.



For PFL37x7D - 32 to 46 inch TVs:
For PFL40x7D - 32 inch TVs:

Before you mount the TV on the wall, find the correct length of the screw.

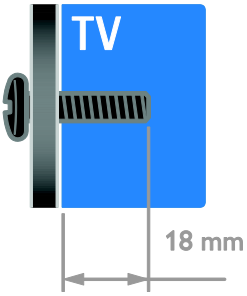
To find the length of the screw, add the thickness of your wall mount to the screw length, as shown in the graphic.



For PFL40x7G - 32 inch TVs:

Before you mount the TV on the wall, find the correct length of the screw.

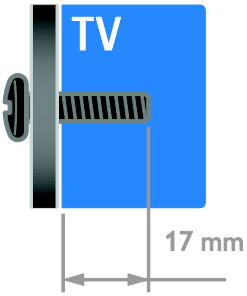
To find the length of the screw, add the thickness of your wall mount to the screw length, as shown in the graphic.



For PFL40x7G - 42 inch TVs:

Before you mount the TV on the wall, find the correct length of the screw.

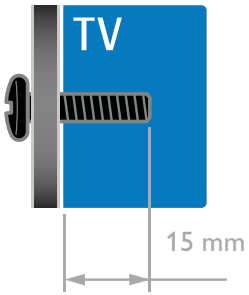
To find the length of the screw, add the thickness of your wall mount to the screw length, as shown in the graphic.



For PFL40x7G - 47 inch TVs:

Before you mount the TV on the wall, find the correct length of the screw.

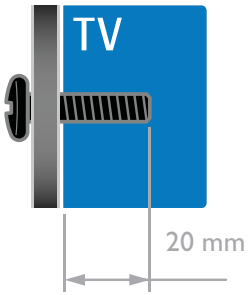
To find the length of the screw, add the thickness of your wall mount to the screw length, as shown in the graphic.



For PFL47x7G - 32 to 46 inch TVs:

Before you mount the TV on the wall, find the correct length of the screw.

To find the length of the screw, add the thickness of your wall mount to the screw length, as shown in the graphic.



Help version

UMv 123007782284 - 20120704

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